STATE OF NEW YORK DEPARTMENT OF CONSERVATION WATER POWER AND CONTROL COMMISSION

Chloride Concentration and Temperature of Water from Wells in Suffolk County, Long Island, New York, 1928-53

Ву

J. F. HOFFMAN and S. J. SPIEGEL Engineer and Geologist, U. S. Geological Survey

Prepared by the
U. S. GEOLOGICAL SURVEY

In cooperation with the

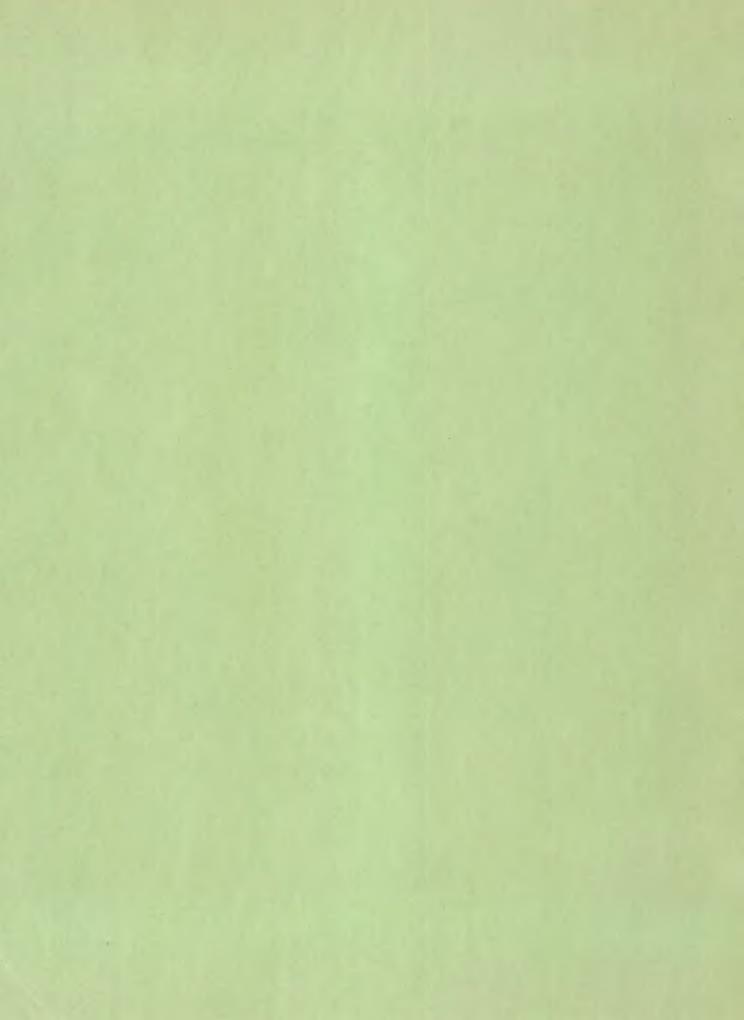
NEW YORK STATE WATER POWER AND CONTROL COMMISSION SUFFOLK COUNTY BOARD OF SUPERVISORS

and the

SUFFOLK COUNTY WATER AUTHORITY



BULLETIN GW-38 ALBANY, N. Y. 1958



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Chloride Concentration and Temperature of Water from Wells in Suffolk County, Long Island, N. Y., 1928-53

By J. F. HOFFMAN and S. J. SPIEGEL

ABSTRACT

Sea-water contamination of Suffolk County's ground-water reservoir is an ever present possibility because of the proximity of sea water and increasing ground-water withdrawals. In order to detect any sea-water encroachment, more than 1,000 determinations of chloride in water sampled from 425 wells have been assembled by the U. S. Geological Survey. The significance of these chloride data is appraised in this report. At many of the wells sampled, ground-water temperatures were measured concurrently. Evaluation of these temperatures also is included.

Suffolk County, 920 square miles in area, occupies the eastern two-thirds of Long Island, N. Y. On the north, east, and south it is bounded by sea water. Geographically, Suffolk County is divided into 3 areas — the main body, and two peninsulas termed North Fork and South Fork. Agriculture is the major source of income in eastern Suffolk County; however, in western Suffolk County it is fast being displaced by industry.

Three water-bearing formations are recognized in Suffolk County, the Lloyd sand member of the Raritan formation, the Magothy(?) formation, and the upper Pleistocene deposits. The major ground-water withdrawals are made from the upper Pleistocene deposits, the shallowest source. In 1955, ground-water pumpage in Suffolk County amounted to more than 24,000 million gallons.

Contamination of a well-water sample was established by comparison of its chloride concentration with that normally expected in the area. Where contamination was ascertained, possible sources of chloride contamination were sought. The data suggest that, besides sea water, fertilizer and sewage are sources of contamination that contribute sizable amounts of chloride to the ground water. Other possible sources of chloride contamination are industrial wastes and salts used in highway maintenance. The study shows that a careful review of each instance of contamination is necessary, in order that sea-water contamination of a ground-water supply will not suspected where it does not actually exist.

Normal chloride concentrations in the ground water of Suffolk County range from 5 parts per million (ppm) in western inland Suffolk County to 25 ppm at the eastern tips of the two peninsulas. Contamination of the ground water by fertilizer occurs principally in the Riverhead and North Fork areas. In the Riverhead area the affected ground water had chloride concentrations as high as 112 ppm. Sea-water contamination of the ground water of Suffolk County has occurred only in isolated wells or ponds. This contamination has been restricted largely to the North Folk area, although a few cases of sea-water contamination have been recognized in nearshore areas of the South Fork and of the main part of Suffolk County. Contamination by sewage has raised the chloride concentration of surrounding ground water, in some places, to as much as 50 ppm. Owing to the paucity of data, as well as the masking effects of other sources of chloride contamination, the extent of contamination by sewage in Suffolk County is unknown. Some ground-water contamination by waste chlorides of in-

dustrial processes is suspected; however, no clear-cut instances are known. Similarly, the sizable quantities of calcium chloride and sodium chloride used in highway maintenance make it likely that these salts may contaminate ground water locally. Here again, no clear-cut instances are known.

Conclusions based on the study of the chloride data are as follows:

- 1. In a chloride-detection program, chemical analysis of some of the sampled well waters for constituents in addition to chloride is necessary to enable better evaluation of the significant factors.
- 2. An intensive investigation of the occurrence of salt water underground should be made in the North Fork especially in the Greenport and Orient areas.
- 3. Information on ground-water quality in the South Fork and at depth beneath Fire Island and the rest of the barrier beach of which Fire Island is a part is deficient or lacking entirely.

Ground-water temperatures measured at most Suffolk County wells less than 300 feet deep ranged from 50° to $55^{\circ}F$. In deeper wells, the temperatures ranged from 50.4° to $64^{\circ}F$.

Seasonal temperature changes in the water pumped from wells by the Riverhead Water District make it seem probable that water from the Peconic River recharges the aquifer tapped by the wells. More than 200 million gallons of water is pumped annually from wells less than 600 feet from the river.

Relatively few data on ground-water temperature exist for Suffolk County. In anticipation of future industrial development in the area, it is suggested that additional temperature measurements be made at selected wells. Periodic temperature measurements at some of these wells to establish any temperature changes resulting from the artificial recharge of ground water would improve the usefulness of the ground-water information.

INTRODUCTION

Purpose and Scope of Report

In 1955, according to figures compiled by the New York State Water Power and Control Commission, more than 270,000 million gallons of fresh water was used on Long Island, N. Y. Surface water delivered to Kings and Queens Counties in western Long Island from upstate sources amounted to 168,000 million gallons, or 62 percent of the total. Ground water pumped from sand and gravel underlying Long Island constituted the remaining 102,000 million gallons, or 38 percent. Of the total ground water pumped on Long Island in 1955, about 24,300 million gallons (24 percent) was pumped from Suffolk County.

Because the welfare of Long Island depends to a significant extent on an adequate ground-water supply, the U. S. Geological Survey has investigated ground-water conditions there since 1932. This islandwide program has been carried on in cooperation with the New York State Water Power and Control Commission, the Nassau County Department of Public Works, the Suffolk County Water Authority, and the Suffolk County Board of Supervisors.

One of the major concerns is the possibility of landward encroachment of the surrounding sea water into Long Island's ground-water supply, such as occurred in western Long Island in the 1930's. In order to detect any such sea-water encroachment, part of the investigative program has involved collecting samples of water for determination of chloride content and to assemble available records of chloride analyses. In Suffolk County alone, about

1,000 chloride determinations have been made of water samples drawn from approximately 425 wells. At many of these wells, ground-water temperatures also have been measured to provide background data for uses of water involving cooling and for evaluating the effects of artificial recharge of ground water in the future.

The purpose of this report is to present all available chloride and temperature data on samples of ground water collected in Suffolk County, N. Y., between 1928 and 1953, and to offer explanations based on these data for the presence of chloride concentrations that appear to be higher than normal. The chloride data, presented in tables 2 and 3, pertain to and will be used as part of interpretive studies of the chemical quality of ground water and the possibility of contamination by encroaching sea water in shoreline areas. Included with the report is a map showing locations of all the wells sampled (pl. 1), and a summary table (table 1) including well data and maximum and minimum chloride concentrations for the period of record. Chloride concentrations and temperatures determined prior to compilation of the present report were released to the open file of the U. S. Geological Survey and to cooperating agencies in tabulations dated June 1939, August 1940, November 1947, February 1949, and July 1951.

The analyses shown in the tables were made at laboratories of the New York City Department of Water Supply, Gas and Electricity; the New York State Department of Health; the Suffolk County Department of Health; the Brookhaven National Laboratory; and the U. S. Geological Survey.

Geographic features of Suffolk County

Suffolk County, 920 square miles in extent, occupies the eastern two-thirds of Long Island (fig. 1). Nassau County is on the west, and sea water bounds the other three sides. Long Island Sound is on the north, and the Atlantic Ocean on the east and south. A series of barrier beaches along the south shore is partially separated from the main part of the County by Great South Bay and other bays. (See pl. 1.) Suffolk County is divided geographically into three areas — the main body, and two peninsulas termed the North Fork and the South Fork. These forks originate at Riverhead and extend eastward for about 27 and 40 miles, respectively.

Suffolk County has a mild climate, and a growing season averaging about 196 days. According to reports of the U. S. Weather Bureau and data collected by the Geological Survey, the average annual air temperature ranges from 50.2°F at Bridgehampton on the South Fork to 52.4°F north of Riverhead. The annual precipitation, averaging more than 43 inches, is uniformly distributed throughout the year.

Because of these climatic factors, the gentle slopes of much of the land surface, and a fertile soil, much of the land of Suffolk County is suitable for agriculture and is so used at present. Excellent subsoil drainage through the underlying sand and gravel makes it possible to fertilize and irrigate crops intensively. Such procedures result in optimum crop yields. Because of the long growing season, two crops of potatoes, the principal vegetable grown, are harvested annually. Considerable acreage is used also for the cultivation of other vegetables such as cauliflower and snap beans.

Occurrence of ground water

Ground water occurs in the unconsolidated clay, sand, and gravel that underlie Suffolk County. Three water-bearing formations (aquifers) have been recognized, in ascending order the Lloyd sand member of the Raritan formation, which rests directly on the Precambrian bed-

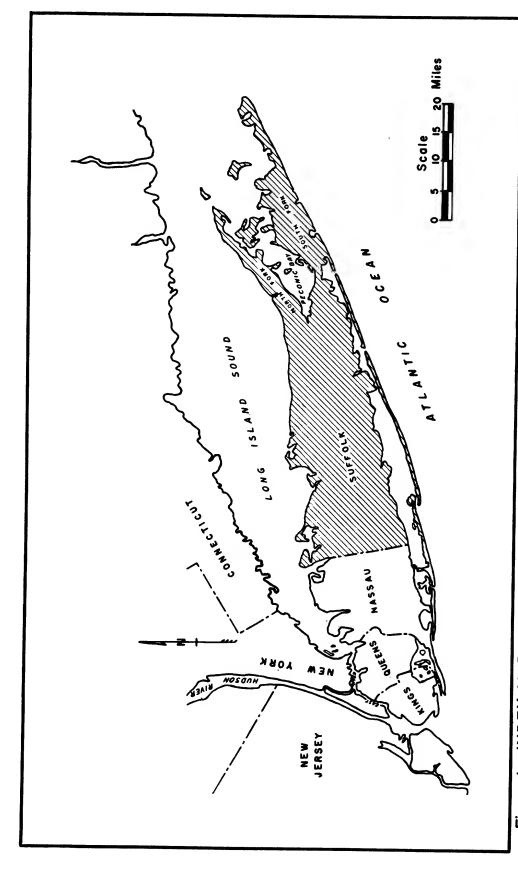


Figure 1.- INDEX MAP OF LONG ISLAND, N.Y. SHOWING LOCATION OF SUFFOLK COUNTY.

rock, and the Magothy(?) formation, both of Cretaceous age, and the upper Pleistocene deposits. The average thickness of these units, as estimated from available data, is about 250 feet, 700 feet, and 150 feet, respectively. The Jameco gravel, which yields sizable quantities of ground water in western Long Island, has not been identified in Suffolk County. Information on these formations is summarized in a report by deLaguna and Perlmutter (1949).

Practically all the ground-water withdrawals made in Suffolk County are from the upper Pleistocene deposits, leaving the large volume of water in storage in the deeper Magothy(?) formation and the Lloyd sand member of the Raritan formation relatively undeveloped. The ground water in the Lloyd sand member and in the Magothy(?) formation is confined under artesian pressure by layers and lenses of material of low permeability which overlie the Lloyd sand member and which are distributed throughout the Magothy(?). Wells near the shoreline that tap these older water bearing formations ordinarily flow. The water in the upper Pleistocene deposits of Suffolk County, for the most part, is unconfined. Its surface, which is the upper limit of the zone saturated with water under hydrostatic pressure, is known as the water table. The total amount of water stored in the deposits at any one time depends chiefly on the volume of saturated material and the porosity of the material. It amounts to many billions of gallons.

In 1955, about 24,300 million gallons of ground water was pumped for use in Suffolk County. Of this total, about 9,900 million gallons (41 percent) was pumped for public supply, 8,000 million gallons (33 percent) for industrial use, and 6,400 million gallons (26 percent) for agricultural use. Increased use of ground water during recent years is particularly evident in both the eastern and western part of Suffolk County, and it foreshadows future groundwater problems. Of special concern is the potential sea-water contamination of the ground water in shoreline areas, particularly on the North Fork.

The usability of the ground water of Suffolk County depends in large part on its chemical quality. Actual or potential salt-water contamination of ground water in nearshore areas of Suffolk County is of paramount importance, and chloride concentration is an excellent index of the extent and degree of contamination.

CHLORIDE CONCENTRATIONS

Tables 1-3 give the results of about 1,000 determinations of chloride concentrations in samples from 425 wells and 10 irrigation ponds in Suffolk County, made between 1928 and 1953. For some wells only single determinations were made; for others, samples were taken and analyzed periodically. A single check sample ordinarily is sufficient to establish whether the chloride concentration of a well water falls within the range normally expected. Where contamination is suspected, additional analyses are necessary to ascertain the magnitude of changes in chloride concentration.

Chloride concentrations in waters from the upper Pleistocene deposits, listed in table 2, range from 2 to 5,810 ppm; the extremes for water from the Magothy(?) formation and the Lloyd sand member of the Raritan formation are 3.4 to 65 ppm and 3.6 to 7,600 ppm, respectively. However, most of the chloride concentrations in waters sampled from all formations are grouped in a much narrower range. These ranges are from 10 to 30 ppm for waters sampled from the upper Pleistocene deposits, 5 to 15 ppm for waters sampled from the Magothy(?), and 5 to 7 ppm for waters sampled from the Lloyd sand member.

Well water having a chloride concentration in excess of 500 ppm does not constitute a very satisfactory supply for most uses. Although water having a chloride concentration as high as 500 ppm is not harmful to the human body, chloride concentrations in excess of about 250 ppm impart a salty taste to the water. Listed below are the maximum chloride concentrations desirable for various uses.

| Use | Maximum desirable chloride concentration (ppm) | Source |
|--|--|--|
| Public supply | 250 | U. S. Public Health Service |
| Irrigation | 100 to 1260* | California State Water Pollution Control Board Publication No. 3 "Water Quality Criteria" |
| Carbonated beverages | 250** | do. |
| Food-equipment washing | 250** | do. |
| Sugar making | 20** | do. |
| Textile processes | 100** | do. |
| Paper making: | | |
| Groundwood pulp Soda pulp Kraft pulp | 75** 75** 200** | do. do. do. |
| * Varies with type of crop. | | |
| ** Recommended threshold o | r limiting concentration. | |

The deposits that underlie Suffolk County were laid down mostly by fresh-water streams and hence in their original state contained little or no salty water. Subsequent to their deposition, any residual salt that may have been present, or that may have entered the beds at times of high sea levels, was leached away by percolating fresh water. Furthermore, the minerals constituting the deposits would probably yield relatively little soluble chloride. For these reasons, the bulk of the chloride that occurs naturally in the ground water of Long Island is considered to be derived from wind-borne sea spray (Jackson, 1905) perhaps in part brought in by occasional hurricanes or other severe storms.

A sample of rain water collected on the barrier beach of Fire Island (lat. 40°42′50″, long. 72°55′45″) and analyzed in the field by the U. S. Geological Survey had a chloride concentration of 12 ppm. Additional rain-water samples, collected during 1956 at the Village of Greenport and analyzed by the Village Superintendent of Public Works, had chloride concentrations ranging from 2 to 8 ppm (Harry Monsell, personal communication). Concentrations from this source vary from place to place, depending upon the distance from the seacoast, the amount of precipitation, the rate of evaporation, the degree of protection from ocean winds, and the direction of the prevailing winds (Jackson, 1905).

During the early 1900's Jackson (1905) and Veatch (1906) collected information on, or had determinations made of, the chloride concentrations in well waters of Long Island. In early years such data were used in estimating the degree of pollution of ground water by sewage, but this method has largely been superseded by use of the coliform index. Although some of these early samples may have been contaminated slightly, they probably represent approximately the chloride concentrations in ground water under natural conditions. For purposes of comparison with current (1953) conditions, these concentrations are here considered "normal". Thus, on the basis of these early determinations, it appears that the maximum normal chloride concentrations for the ground water in the upper Pleistocene deposits underlying the inland portions of western Suffolk County is about 5 ppm. For inland portions of

eastern Suffolk County, normal concentrations may be as high as 10 ppm. Along the coasts normal chloride concentrations are higher. In coastal areas of western Suffolk County these may be as high as 10 ppm, and in eastern Suffolk a maximum of 15 ppm may be expected. At the eastern ends of the two Forks, the greater exposure to oceanic influences may cause the normal chloride concentration of the ground water to be as high as 25 ppm. This estimate is based on the chloride concentration in the ground water of Plum Island, which is about $1\frac{1}{2}$ miles east of Orient Point. The chloride in the ground water of Plum Island is derived from natural sources.

Much of the ground water in Suffolk County, although apparently more or less "normal," actually may have been contaminated slightly. For example, the six determinations for chloride concentration (see tables 1 and 2) made for well S1892 (pl. 1, rectangle F-17)^a range from 24 to 28 ppm and may be normal" for the area in recent years, but in comparison with Jackson's data (1905) they are high enough to suggest some contamination. Similarly, the concentrations at other wells such as S1818 (pl. 1, G-19), between 24 and 42 ppm, or S4153 (pl. 1, H-21), between 24 and 36 ppm, probably represent some contamination. An example of completely uncontaminated water might be that from well S3197 (pl. 1, E-15), for which 3 samples showed a range of from 4 to 7 ppm of chloride.

In contrast, the possible seasonal and annual range in normal chloride concentration at any one place is not accurately known. Therefore, the chloride concentration of a well-water sample may be less than the maximum normal concentration indicated, yet the water still may be slightly contaminated.

Causes or sources of contamination include fertilizer, sea water, sewage, industrial wastes, and salts applied to highways. These are discussed, together with examples of contamination resulting from some of them, in the following paragraphs.

Contamination by Fertilizer

Relatively high chloride concentrations in the ground water in the upper Pleistocene deposits underlying intensively farmed areas near Riverhead, the North Fork, the South Fork, and the main part of Suffolk County appear to be the result of leaching of chloride salts contained in fertilizers. In these areas fertilizers containing 73 to 254 pounds of potassium chloride per ton are used extensively. The population is small, and houses and cesspools are widely scattered. Most of the wells showing high chloride are relatively remote from the shore, and there is no industrial development. Thus fertilizer must be the principal source of contamination. However, it is possible that in some shoreline areas sea water drawn toward pumped wells may contribute to the high chloride concentrations determined.

The "Riverhead area" as used in this report includes about 60 square miles in the northeastern corner of the main part of Suffolk County, extending into the North Fork as far as Laurel. The hamlets of Aquebogue and Jamesport on the North Fork also are included. The maximum chloride concentrations in well water sampled in this area range from 8 ppm in well S3418 (pl. 1, E-18) to 112 ppm in S3627 (pl. 1, F-18); most of the samples had chloride concentrations noticeably above the normal maxima of 10 to 15 ppm expected in that area. For example, water from well S1892 (pl. 1, F-17) in Calverton had a concentration of 28 ppm. These concentrations are distinctly higher than those in the ground water underlying the adjacent, uncultivated Government-owned lands in Brookhaven Township where maximum chloride concentrations determined range from about 4 ppm (S6471) (pl. 1, E-15) to 10 ppm (S6405). These concentrations are probably "normal" and indicate essentially no

^{*} See well-numbering system at end of report.

contamination. Chloride concentrations in the water sampled from domestic well S5341 (pl. 1, F-17) in Riverhead ranged from 19 to 24 ppm and strongly suggest contamination by fertilizer (Wallace deLaguna, U. S. Geol. Survey, personal communication). The magnitude of the chloride concentration, the associated nitrate concentrations, which ranged from 38 ppm to 47 ppm, and the fact that fertilizers are used to a considerable extent in the vicinity support this inference. However, it is possible that contamination from a cesspool may be at least partially responsible for the chloride and nitrate, as this well is near a dwelling. Also, inasmuch as this well is nea ra main road, it is not unreasonable to suppose that salt used for de-icing roads in the winter also might contribute some chloride to the ground water. Near the shoreline of the Riverhead area water from wells generally does not have a higher chloride concentration than water from wells farther inland, thereby indicating that contamination from sea water is minor, if present at all. Furthermore, the fresh-water levels are several feet above sea level, and any sea water or comparably salty water in the aquifers is probably a few hundred feet below sea level.

The "North Fork area" of this report covers about 70 square miles and extends from Laurel eastward to Orient Point. Here also, some well waters contain chloride that may have been derived principally from leaching of fertilizers. Omitting certain wells in which the chloride concentration is thought to be due predominantly to contamination by sea water, chloride concentrations in water from wells in this area range from 12 ppm (S7173, pl. 1, H-22) to 78 ppm (S7170, pl. 1, H-22). Both these wells are at Orient. The lower concentration of 12 ppm is about what would be expected in the area, and the water probably is not contaminated. The water from well S7905 (pl. 1, G-20) in Southold, having a chloride concentration of 35 ppm, is probably representative of water that has been contaminated slightly by leaching of fertilizer. Other wells in which fertilizer contamination is suggested are S9138 (pl. 1, G-20); (35 feet deep) in Southold and S9139 (pl. 1, H-21; 25 feet deep) in Greenport (Wallace deLaguna, U. S. Geol. Survey, personal communication), both in heavily farmed areas. Chloride concentrations in the water from these wells were 42 and 18 ppm, respectively, and the nitrate concentrations were 115 and 50 ppm. Like those mentioned in the Riverhead area, these are domestic wells, and at least part of the chloride and nitrate may originate by contamination from cesspools. The fresh-water body in the North Fork area is thin, and salty water derived from sea water is known to occur at relatively shallow depths. Thus, some of the higher chloride concentrations in well waters may be due in part to contamination from the salty water as well as from fertilizer.

The South Fork comprises the entire area from the vicinity of Riverhead to Montauk Point. A few scattered areas are farmed, but nothing so extensive as on the North Fork. Sampled wells are much fewer. The maximum chloride concentrations in the ground water underlying the farmed areas of the South Fork range from 9 ppm in Easthampton at well S7570 (pl. 1, F-23) to 30 ppm in Easthampton and Amagansett at wells S9140 (pl. 1, F-23) and S721 (pl. 1, F-24), respectively. Water from irrigation wells S5615 (pl. 1, F-22) and S7499 (pl. 1, F-21) in Bridgehampton and well S7117 in Southampton had chloride concentrations of 27, 26, and 22 ppm, respectively. The concentration of 9 ppm in well S7570 (pl. 1, F-23) is probably about normal for the ground water of the area. This well is 163 feet deep and is more than a mile from the nearest sea water. The concentrations of 22 to 27 ppm in wells S5615, S7499, and S7117 are probably derived from fertilizer. The deepest of these wells is 165 feet deep, and all are several miles inland from the shore. In this area, high-chloride fertilizers are used, there is practically no industry, and the population is widely scattered. Little is known concerning the depth to which fresh water extends in the South Fork area. However, fresh-water levels are relatively high, so that if water as salty as sea water is present at all it must be at relatively great depth, making contamination by upward movement highly unlikely under present conditions.

In the main part of Suffolk County, in scattered farmed areas remote from the sea, water from a few irrigation wells has chloride concentrations slightly higher than would normally be expected. For example, water from wells S4825 (Manorville; pl. 1, E-16) and S4195 (Yaphank; pl. 1, D-15) had chloride concentrations of 18 ppm and 12 ppm, respectively. On the other hand, the chloride concentrations in nearby wells away from cultivated fields were 10 ppm or less at about the same time. Inasmuch as there are no other local sources of contamination, even these small concentrations may reflect slight contamination from fertilizer.

In conclusion, the chloride concentration in ground water underlying areas where farms are closely spaced and intensively fertilized may be much higher than where a scattering of farms exist — provided, of course, that other sources of contamination have a minor influence. Assuming average conditions for precipitation and fertilizing procedure, chloride concentrations added to ground water from fertilizers alone may have been as much as 50 ppm. Such additions to the normal chloride concentration, especially in those areas where the chloride content is toward the upper limit of the "normal" range, would raise the chloride concentration of the ground water to as much as 75 ppm.

Contamination by Sea Water

Shallow ground water in the nearshore mainland areas of Suffolk County and on the peninsulas, barrier beaches, and small off-lying islands is, in general, underlain by salty water. Because of the density difference, the lighter fresh water floats on the salty water. The contact is not sharply defined, however, and a transitional zone, termed the "zone of diffusion," is thought to exist. As shown by work in other areas of Long Island (Perlmutter, and others, 1957) and elsewhere in coastal regions, the chloride content of the water in this zone varies, increasing in concentration toward the salty-water side.

If the contact between the fresh and salty water is considered to be sharply defined and a hydrostatic balance is considered to exist, the following formula can be written:

$$h = -\frac{d_f}{d_s - d_f} .h_f$$

where, h = the depth below sea level to a selected point on the fresh water-salty water surface,

h, = the height above sea level of the water table directly above the selected point,

d, = the density of the fresh water, and

 \mathbf{d}_{s} = the density of the salty water.

This relationship is sometimes referred to as the Ghyben-Herzberg formula. A reasonable density for Suffolk County's uncontaminated ground water is about 1.000 or slightly higher. The density of the bay and ocean water bounding Suffolk County differs from place to place, depending on the point of sampling. Where large volumes of streamflow discharge into a bay, the density of the bay water might be as low as 1.010. Where rapid ingress and egress of ocean water occur, the density might be as high as 1.025. If the salty water underlying the fresh water is considered to have as a maximum the density of 1.025 then theoretically, for every foot of fresh water above sea level, about 40 feet of fresh water exists in below-sealevel-storage. If the density of sea water is 1.010, the ratio becomes 1.100.

As ground water is in motion, Hubbert (1940, p. 924-26) suggests that the hydrostatic relationship, although originally determined empirically, gives approximately correct results but only at low hydraulic gradients. At higher gradients its use is incorrect. Specific data con-

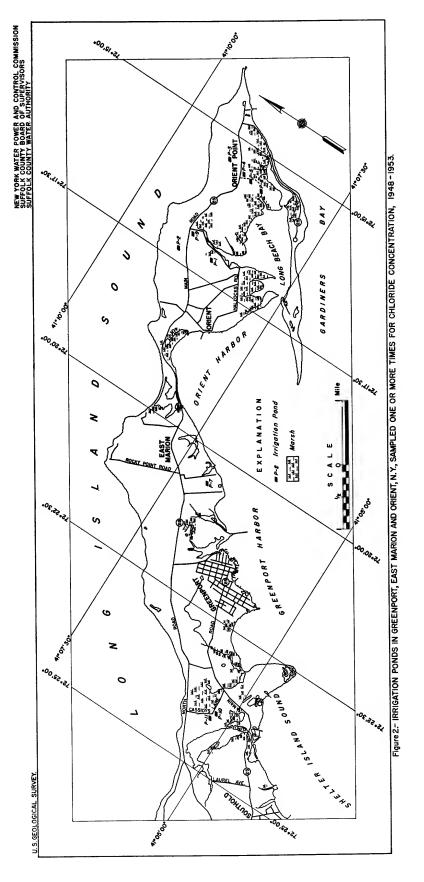
cerning these conditions in Suffolk County are not in hand at the present. However, as any landward migration of the zone of diffusion vitally concerns the water supplies of nearshore communities, or even those located farther inland, part of the future ground-water investigative program will be to obtain more exact information concerning this problem.

Sea-water contamination of ground water, resulting in a higher than normal concentration of chloride, can take place by (1) landward migration of the zone of diffusion between fresh water and sea water occuring naturally in the formation, (2) sea-water inundation of low-lying shoreline areas as a result of high tides and storm winds, or of high winds alone, and (3) the pumping of a well situated close to a zone of diffusion at such a rate that salty water is drawn in. Contamination by sea water has caused some of the unusually high chloride concentrations at a number of individual Suffolk County wells and certain irrigation ponds on the North Fork at Orient, Greenport, Southold, Nassau Point, Peconic, and Aquebogue; on the South Fork at Montauk; and in the main part of Suffolk County at Hampton Bays and Eatons Neck. Chloride concentrations of the ground water at these points ranged from 240 ppm at well S1679 in Hampton Bays to 5,810 ppm at irrigation pond P-6 (see fig. 1) in Orient. The somewhat lower concentrations of chloride in the water from certain other wells also may be due to sea-water contamination, but sufficiently conclusive evidence is not at hand to support all cases of suspected sea-water contamination.

Orient area: Sea-water contamination of irrigation wells and irrigation ponds is in evidence in the vicinity of Orient, N. Y., an intensely farmed, heavily irrigated area of about 5 square miles at the eastern tip of the North Fork. (See table 2, pl. 1, and fig. 1.) This area is almost entirely surrounded by the sea, and salt marshes fringe the shoreline portions of some of the outlying farms. Occasionally, hurricanes or near-hurricane storms cause tidal waters to flood the low-lying lands. Because of this proximity to sea water, and of the fact that the freshwater head is low, it is reasonable to assume that the fresh-water body is thin and that salty water occurs at a relatively shallow depth. Moreover, because of the absence of industrial plants in the area, the distance of the sampling points from the roadways, and the low population density, widespread above-normal chloride concentrations in the ground water cannot be attributed to industry, highway maintenance, or cesspools. Also, inasmuch as the use of fertilizer in other intensely farmed areas of Suffolk County has produced chloride concentrations of less than 75 ppm in the ground water, and presumably would produce a comparable effect in this area, concentrations above 75 ppm cannot readily be attributed to fertilizer. Seawater contamination is the obvious remaining choice.

Some high chloride contents have been recorded from certain of the irrigation ponds in Orient. The highest recorded is 5,810 ppm from pond P-6 on September 30, 1948. Samples taken from this pond on later dates showed a fairly consistent decrease to 60 ppm on June 26, 1953. Heavy and continuous withdrawals during the summer of 1948 lowered the pond level and caused salty water to move into the pond either from the adjoining tidal inlet or from the ground beneath, or both. Draft from this pond ceased after 1948, and the water has gradually freshened. Most of the samples from the other ponds had chloride concentrations of less than about 75 ppm, but some had concentrations of 90 ppm or more — for example, P-4, 100 ppm on October 11, 1948; P-5, 124 ppm in August 1949; and P-9, 202 ppm on July 7, 1952. The water level in all these ponds is only 1 to 3 feet above sea level, and they are situated near salt marshes or tidal inlets. The high chlorides may be due in part to occasional sea-water inundation, or more likely perhaps to heavy withdrawals which lower the pond level and allow the adjacent salty surface water to move in, or underlying salty water to move upward.

Only three wells in Orient have shown high chloride — S189 (pl. 1, H-22), 7,600 ppm when drilled in 1935; S7176 (pl. 1, H-22), 1,000 ppm on September 30, 1948, but less on later dates; and S14597 (pl. 1, H-22), 835 ppm on September 20, 1949, and 296 ppm on July 6, 1950.



Well S189 is 668 feet deep and reportedly yielded no fresh water when drilled. The well is on a low, narrow bar, which probably contains only a thin lens of fresh water floating on salt water derived from the surrounding sea. Water sampled from well S7176, a group of 6 well points driven to a depth of 11 feet, contained so much chloride that in the absence of any other source these concentrations are thought to represent admixture with sea water. At the time of sampling the elevation of the water table at this site was less than a foot above sea level. The shortest lateral distance to a tidal inlet is about 700 feet. Irrigation withdrawals during the summer of 1948 probably caused salt water to move in either laterally from the nearby tidal inlet or vertically from beneath, or both. This salty water, when mixed in the well with the fresh ground water, caused chloride concentrations of 1,000 ppm or possibly higher. Well S14597 is about 150 feet from the shore of Orient Harbor, in the town of Orient. Two samples of water taken from it had fairly high chloride concentrations (table 2). Prior to the summer of 1949, a satisfactory water supply was obtained from this well. However, in September, 1949. the chloride concentration of the water was 835 ppm, and in July 1950 a second sample contained 296 ppm. The depth of the well is not known, but it seems likely that the high chloride is due to admixture of salty water from the nearby bay or possibly the underlying salty water.

Greenport-East Marion area: At the Village of Greenport, about 4 miles west of Orient, some of the public-supply wells yield water having a detectable salty taste, probably due to the chloride content. Wells at four pumping stations supply a population of about 3,000 in the winter and possibly twice that number in the summer. Greenport is virtually surrounded by sea water. The highest place in the area is about 60 feet above sea level; however, most of the area is much less than 40 feet above sea level. The water table in unpumped localities has a maximum altitude of about 3 feet above sea level. A sewer system discharges domestic, commercial, and industrial wastes to Long Island Sound, so there is probably little groundwater contamination from these sources.

Station 3 of the Village of Greenport water system comprises 6 wells (S1673-78; pl. 1, H-21) about 55 feet in depth. These are pumped together, and the mingled water is pumped into the system. The chloride concentration of this water, which varies with the pumping rate and the duration of withdrawal, has ranged from 123 to 424 ppm, the higher concentration being in the summer (table 2). These concentrations are substantially higher than that determined in 1932 for the water pumped from well S178 (45 ppm) at the same site.

Station 1 has two wells about 35 feet deep that are pumped separately. Water from well S1668 (pl. 1, H-21) has had chloride concentrations ranging from 76 to 94 ppm; and well S1669 (pl. 1, H-21) showed concentrations of 135 and 153 ppm in the summers of 1949 and 1950, respectively (table 2). It is believed that these chloride concentrations indicate the admixture of salty and fresh water. Data obtained during the drilling of a test well S490 (V892), a drilled 690 feet to bedrock at Station 1 in 1903, indicated salty water at a depth of 225 feet (Veatch, 1906). These data are incomplete and it is not known how far above the 225-foot level the reported salty water extended nor what the actual chloride concentration was. During recent years, when the existing wells at Station 1 (S1668 and S1669) were pumped for brief periods at a rate of 600 gallons per minute (gpm), marked and rapid increases in the chloride concentration of the pumped water were observed (Harry Monsell, Village of Greenport Dept. Public Works, personal communication). As these wells are about half a mile from any tidal water, this contamination is probably the result of upward movement of underlying salty water. In 1953, pumping wells S1668 and S1669 at about 50 gpm produced water containing chloride in the concentrations listed in table 2.

The water from two wells in Station 4 (S3697-98; pl. 1, H-21) at East Marion as of 1953 showed no conclusive evidence of contamination. No chloride data are available for wells of

^{*} See well-numbering system at end of report.

Station 2, which are used infrequently. The evidence discussed above strongly suggests that salty water underlies the fresh water-bearing beds beneath the entire Greenport-East Marion area.

Other North Fork areas: Other wells on the North Fork that are thought to have been contaminated by salty water in nearshore areas are S6059, Peconic (1,600 ppm); S4091, Southold (918 ppm); S5475-S5476, Nassau Point (103 ppm); S681, Aquebogue (65 ppm); and S716, Aquebogue (54 ppm).

Well S6059, (pl. 1, G-20), 78 feet deep, is approximately 500 feet from a tidal marsh. The log of the well shows 40 feet of fine sand and some clay overlying the 38 feet of sand and gravel in which the well is screened. As the elevation of the water table at this site is less than 1½ feet above sea level, this well is probably screened near the zone of diffusion separating the fresh water and the salt water below. Continued pumping of this well at 350 gpm gradually caused increases in the chloride concentration of the water to 1,600 ppm. As water having this concentration of chloride cannot be used for irrigation in this area, the well was ultimately abandoned.

Well S4091 (pl. 1, G-20) is about 500 feet from the head of Town Creek, a tidal inlet near the Town of Southold. This well, 45 feet deep, is screened in a bed of sand and gravel 60 feet thick, which is underlain by at least 80 feet of clay and sandy clay. According to the driller's report the water beneath the clay and sandy clay is salty. Pumping this well at a rate of about 225 gpm caused salty water to move either upward through the clay or laterally from the inlet. This water, mixing in the well with the fresh water, caused the chloride concentration of the well water pumped to increase steadily from 24 ppm on September 5, 1945, to 918 ppm on July 9, 1952. Owing to the high chloride concentration in the water, this well was abandoned and another well, S4091 R, was drilled about 500 feet to the west. The chloride concentration in the water from this well was 34 ppm in 1953.

Wells S5475-S5476 (pl. 1, F-20), drilled to a depth of 30 feet, are less than 500 feet from sea water in Nassau Point, an isolated colony of summer homes. The elevation of the water table in the vicinity is unknown but it probably is less than a foot above sea level, and the wells may be screened near the zone of diffusion. Although the draft from these wells is low, as they are used for domestic supply, the magnitude of the chloride (37 ppm, 1948; 103 ppm, 1950) is above the maximum normally expected (25 ppm) and suggests that pumping causes salty water to move into the pumped wells. As these wells are in the vicinity of houses, there is also the possibility that contamination from cesspools has contributed to the chloride concentration. No additional data are available, however, and further inferences are not possible at this time.

Well S681 (pl. 1, F-18), situated about 500 feet from the tidal estuary of Sawmill Creek in Aquebogue, is 255 feet deep and is screened in sand beneath 120 feet of clay. Because of the overlying clay, the water at the screen is probably confined. When the well was pumped at an unknown rate, the chloride concentration in the water increased from 11 ppm (1945) to 65 ppm (1947). For unknown reasons, use of the well was discontinued after 1947. Owing to the proximity of tidal marshes and other salt-water bodies and the subordinate influence of other chloride contaminants in the area, it seems likely that prolonged pumping induced salty water to move into the well either laterally through the water-bearing zone or from below, and caused the progressive increase in chloride concentration (table 2). Possibly sea water could move downward from the tidal marshes at places where the clay is absent, or alongside the well casing, but not enough information is available to support either possibility.

Well S716 (pl. 1, F-18), also located in Aquebogue, is about 0.8 mile west of well S681. The well is 223 feet deep and is screened in sand beneath 127 feet of clay which is inter-

calated with thin layers of sand. When it was first drilled the well flowed. Later, when the well was pumped at an unknown rate, the chloride concentration of the water increased progressively from 37 ppm (1945) to 54 ppm (1948). Between August 1948 and July 1949 a marked decrease in the chloride concentration took place (table 2), but sufficient data concerning the problem are not in hand to establish the cause. The closest salty surface water which might be a source of contamination is a small tidal streamlet leading to Terrys Creek, about 2,000 feet away from the well. Nothing is known concerning the position of the zone of diffusion between the fresh water and salt water in the area. It is possible that sea-water seepage from beds overlying the fresh-water-bearing zone has taken place, but it is more likely that salty water has been drawn into the fresh-water-bearing zone laterally or from below by pumping.

South Fork area: On the South Fork, the only well having a chloride concentration in the water considered to be due to sea-water contamination is well S1373 (pl. 1, G-26), in Montauk. A sample collected from this well on August 26, 1946, contained 880 ppm of chloride. Exact data concerning the altitude of the water level at this well are not available; however, it is probably less than 1 foot above sea level. This well, which is 50 feet deep and 1,500 feet from tidal water, is probably screened near the zone of diffusion. In view of the magnitude of the chloride concentration, the lack of other contaminants in the area, and the proximity of the ocean, it is probable that sea water is the contaminant. Pumping this well probably draws in a certain amount of salty water from the zone of diffusion, thereby contaminating the fresh ground water.

Main part of Suffolk County: At Hampton Bays, on the south shore of the main part of Suffolk County, the water from well S1679 (pl. 1, E-19), when 60 feet deep, had a chloride concentration of 240 ppm on September 22, 1941. This was the chloride concentration in the water after pumping at a rate of 350 gpm for more than 3 hours when the well was first drilled. Water having a chloride concentration of this magnitude was considered by the water company as undesirable for public consumption. For this reason, the screen was later pulled back to a depth of 31 feet and the pumping rate reduced to 180 gpm. At this depth and at this rate of pumping, water having a chloride concentration of 43 ppm (March 12, 1946) and 14 ppm (August 4, 1950) was obtained. Although no data concerning water levels at the site are available, the fresh-water head is estimated to be less than 1½ feet above sea level. As this well is about 1,400 feet from the shoreline, the chloride contamination at the 60-foot depth probably resulted from a small quantity of underlying salty water being drawn into the well. The water having a chloride concentration of 42 ppm obtained from fresh-water sands at a shallower depth was probably an admixture of salt water originally drawn in by the higher pumping rate with fresh water in storage. Gradual elimination of this contamination by pumping and lateral underflow is suggested by the chloride concentration of 14 ppm of the water sampled on August 4, 1950, which might be considered normal for the area.

On the north shore of western Suffolk County, at Eatons Neck, well S848 (pl. 1, F-9) is reported to yield water having a chloride concentration in excess of 430 ppm after long periods of pumping. At the same site, though farther from the shore, water sampled concurrently at wells S3554 (pl. 1, F-9) and S1039 (pl. 1, F-9), which tap the same water-bearing zone, had chloride concentrations of 35 ppm and 4.9 ppm, respectively. These data suggest that salt-water contamination of the water pumped from well S848 is taking place from the seaward side.

Summary: The relatively high chloride concentrations in the water from wells S1668, S1669, S1673-78 (Greenport), S1373 (Montauk), and S1679 (Hampton Bays) suggest that the ground water near the shoreline of the North Fork and the South Fork is underlain by salty water at a relatively shallow depth. This occurrence of salty water may be similar to that

recorded by the driller for well S153 (Westhampton Beach), drilled in May 1922 and screened at a depth of 268 feet. The driller's log for this well listed the following occurrences of salt and fresh water: salt water, 11 to 21 feet; fresh water, 32 to 40 feet; salt water, 45 to 75 feet; fresh water, 105 to 130 feet; and fresh water, 208 to 269 feet. The fresh-water-bearing zone, 208 to 269 feet, contained water under artesian pressure. Nothing is known concerning the conditions under which the water occurs in the other water-bearing zones.

Contamination by Sewage

Ground water in the vicinity of cesspools, septic tanks, or sewage-treatment plants may have sizable chloride concentrations. Because most towns in Suffolk County have no sewers, most homes discharge wastes to cesspools or septic tanks. Most of the chloride contribution made to these receptacles is in the form of urine, the per capita daily output of which contains 8 to 15 grams of sodium chloride (Fair, 1954). After temporary cesspool detention, the liquid waste seeps to the water table and moves slowly away with the ground water under the influence of the natural hydraulic gradient. The chloride concentrations in the ground water thus contaminated may range from very high values at points close to the source of contamination to normal concentrations at distant points where diffusion has reduced the contamination to a negligible amount.

The chloride concentration of the water sampled from well S742, 90 feet deep (pl. 1, F-16), in Wading River, was 22 ppm, about 17 ppm above that normally expected. This well is approximately 100 feet down the hydraulic gradient from the owner's cesspool. The distance from other sources of contamination, the proximity to the cesspool, and the nitrate concentration of 9.7 ppm in the well water suggests cesspool contamination as the source of this relatively high chloride. Similarly, water sampled from well S9144 (pl. 1, D-16), Center Moriches, had a chloride concentration of 50 ppm. This chloride concentration when considered with the associated nitrate concentration of 52 ppm is suggestive of contamination from either fertilizer or a cesspool. Investigation has indicated that there is little probability of contamination from any other source. As there are no farms within half a mile, and no fertilizer is used upgradient, the owner's cesspool is the most likely source of this chloride.

Chloride contamination from cesspools may exist at other wells listed in Table 2, such as S3720 (66 ppm), (pl. 1, F-17) Riverhead, and S2018 (49 ppm), (pl. 1, F-17) Reeves Park. However, the possibility of other sources of chloride in the area such as fertilizer, salts used for ice control (in the case of well S3720), fertilizer, or sea water (in the case of well S2018), makes the identification of sources inconclusive.

Identification of contamination by sewage is difficult at best. Some procedures useful in arriving at a conclusion, once it has been established that chloride contamination exists and that human wastes are discharged in the vicinity, are (1) elimination of other sources of chloride contamination; (2) determination of the presence in the water of nitrates and other nitrogenous compounds, formed during the decomposition of organic material; (3) bacteriological analysis of a water specimen for coliform organisms; and (4) detection of a tracer, such as fluorescein, introduced into the suspected cesspool. Each procedure has its limitations and therefore the results may not be conclusive. For example, it may not be possible to eliminate the possibility of chloride contamination from other sources; the source of the nitrogenous compounds dissolved in the ground water may be industrial wastes, fertilizers, or an organic source other than human excreta; the distribution of coliform organisms may be such that a bacterial count or identification may not be possible; and, in the case of tracers, the rate of ground-water movement may be so slow or the physical characteristics of the tracer may be such that it cannot be readily detected.

In densely populated communities, where cesspools are closely grouped, sizable contributions of chloride are made to the ground water over extensive areas. Although not particularly evident in Suffolk County at the present time, the chloride concentrations of the ground water in fast-growing unsewered communities can be expected to increase during future years.

Contamination by Industrial Wastes

A few instances of chloride contamination of ground water by industrial wastes are known on western Long Island, and probably some not yet identified are present in Suffolk County. Possible sources of chloride include brine from ice plants, some types of air-conditioning systems, or some meat-packing and food-processing operations; spent acids and salts from descaling and electroplating operations; spent water of sterilizing processes utilizing chlorine, such as sewage-treatment plants and swimming pools; and hydrated calcium chloride used for desiccation. Solutions containing chloride may reach the ground water either through spreading or percolation basins made for the purpose of disposing of the wastes, or through incidental leaching of stockpiled waste products.

Industrial plants in Suffolk County are widely scattered as yet, and there is no particular area in which industrial contaminants may be concentrated. A few of the higher chloride concentrations listed in table 2 may reflect industrial contamination, but no clear-cut instances are known.

Contamination Through Highway Maintenance

Substantial quantities of calcium and sodium chlorides are applied to Suffolk County highways for ice control in winter and for dust control in summer. For ice control alone, the Suffolk County Highway Department applied more than 810 tons of sodium chloride and 180 tons of calcium chloride to 428 miles of County and State Highways during the winter of 1955-56. This represents about 0.8 pound of the combined salts per linear foot of highway. Assuming an average precipitation rate of 43 inches per year and that 50 percent of this seeps to the water table, ground-water recharge in the immediate vicinity of treated highways would have an average chloride concentration of a hundred to several hundred parts per million, or even more. Movement of the contaminated water under a natural gradient away from the area of contamination and diffusion of the dissolved salts would distribute the chloride throughout a much greater volume of ground water. Thus at points some distance from the treated highways, chloride contamination of the ground water from this source would be negligible. The salts could also be blown from the highway in the form of dust and might contaminate the water some distance away, but not detectably.

Although Suffolk County has about 4,000 miles of highway, the salts are probably used only on the main ones. Thus it is possible that the ground water may be rather strongly contaminated from this source at places where drainage water from such highways is concentrated. However, no clearcut instances are known.

Summary and Conclusions

Chloride concentrations in the ground water underlying Suffolk County that are higher than would be expected naturally may be due to contamination from one or more of the following sources: fertilizer, sea water, sewage, industrial wastes, and salts used in highway maintenance. At several places chloride concentrations are high enough to indicate definitely some sort of contaminant. Clear-cut instances of contamination or suspected contamination

are widely distributed. At some places sea water is almost surely the contaminant; at others, fertilizer seems to be the source. Identification of the source is largely circumstantial and is based solely on unusual chloride concentration, and on the presence in the vicinity of one possible contaminant and the absence or probable minor influence of the others.

Nevertheless, the indications are fairly clear that in the areas of heavy cultivation, particularly the Riverhead and North Fork areas, the chloride concentrations of the ground water have been raised appreciably.

At a number of well installations in shoreline areas of Suffolk County, contamination has resulted from admixture of salty water. Such contamination has been noted in Orient, Greenport, and Southold and in a few other scattered localities. One well installation each at Orient, Southold, and Peconic has been abandoned owing to high chloride concentration. At Station 3 of its public-supply system, the village of Greenport has one group of wells that deliver high-chloride water to the public-supply system. By combination of this water with water of low chloride concentration from other wells, a potable water supply is delivered to the consumer.

Chloride contamination of Suffolk County's ground water, to date, by sewage, industrial wastes, and the salts used in highway maintenance is apparently minor and distinctly localized. However, current and future expansion of the population and industry of Suffolk County can be expected to cause additional chloride contamination of the ground water from these sources. In shoreline or even inland areas, such concentrations may give rise to the incorrect conclusion that contamination by sea water is taking place. On the other hand, contamination by sea water may go unrecognized where it is taking place because of the assumption that one of the other sources is responsible.

The first conclusion to be drawn from the study of these data is that an analysis for chloride only is inadequate to identify the source of contamination. In any program of chloride detection some comprehensive analyses should be made. These might be followed or supplemented by partial analyses including determination of iron, calcium, nitrate, bicarbonate, sulfate, pH, and specific conductance. The calculation of Langelier's saturation index (Langelier, 1936, p. 1500) through determination of pH and bicarbonate would provide useful background data for design of corrosion-resistant structures.

A second conclusion is that an intensive investigation of the occurrence of underground salty water would be warranted in the North Fork — particularly in the Greenport and Orient areas.

A third conclusion is that information on ground-water quality in the South Fork and at depth beneath Fire Island and the rest of the barrier beach is deficient or lacking entirely.

GROUND-WATER TEMPERATURE

The increasing use of ground water on Long Island for air conditioning and other cooling makes a knowledge of ground-water temperatures of Suffolk County desirable for design of such installations. In addition, as most of the spent cooling water is recharged to the sand and gravel from which it was withdrawn, a knowledge of the effect of this recharge on the temperature of the ground-water reservoir will help to avoid costly operational problems.

The maximum ground-water temperature desirable for systems utilizing well water to cool and dehumidify air passing in direct contact with cooling coils is about 57°F. Systems that use well water for other cooling purposes usually require a ground-water supply having a temperature below 70°F. A lower ground-water temperature permits more efficient and economical design, of course.

The temperature of the ground water between the water table and a depth of about 200 feet is generally about 3 to 6 degrees Fahrenheit above the average annual air temperature (Collins, 1925). Normally the rate of increase in temperature is about 1°F for each 60-to 100-foot increment of depth. In Suffolk County, N. Y., precise measurements of groundwater temperature were made at well S6409 (pl. 1, E-15). Readings were taken at 100-foot intervals during the lowering of a pressure-sealed maximum-reading thermometer into the well (Wallace deLaguna, personal communication, 1956). According to these measurements, the temperature of the ground water at various depths ranged from 50.8°F at 200 feet to 59.7°F at a depth of 1,426 feet. The initial temperature measurement was made at a depth of 100 feet, where the ground-water temperature was 51.0°F. The temperature decreased slightly to 50.8°F at a depth of 200 feet but gradually increased to 51.7°F at 500 feet. Below a depth of 500 feet, the measurements indicate an approximate thermal gradient averaging 1 degree of rise for each 124 feet of vertical descent. On the basis of these measurements, the effect of surface influences on the temperature of ground water apparently is greatly reduced below a depth of about 300 feet.

Whereas the earth's temperature gradient can be considered essentially constant at any one place, it does differ from place to place. Within Suffolk County the geothermal gradient is probably about the same everywhere. However, the ground-water temperature differs slightly from place to place, being subject to the geologic, hydrologic, and hydraulic factors affecting ground-water recharge, discharge, and movement. Differences in screened depth of wells, the season of the year, and the proximity to warmer or colder surface-water supplies available for recharge, as well as climatic differences, account for most or all of the variations in ground-water temperature shown in table 2.

Ground-water temperatures measured at wells less than 300 feet deep in Suffolk County span a range from 45°F at wells S4105-S4106 (pl. 1, E-12) in Ronkonkoma to 64°F at well S1396 (pl. 1, G-26) in Montauk. For the most part, the temperature of shallow ground water in Suffolk County is between 50° and 55°F. Temperatures of waters sampled from wells deeper than 300 feet ranged from 50.4° at well S3639 (466 feet deep; pl. 1, E-10) in Northport to 64°F at well S12 (314 feet deep; pl. 1, B-9) in Jones Beach.

Infiltration of water from the Peconic River into the adjacent upper Pleistocene deposits is suggested by the water temperatures measured at nearby shallow wells S1319-23 (90-115 feet deep; pl. 1, F-17). This well field is less than 600 feet from the Peconic River. More than 200 million gallons is pumped annually. The water temperatures ranged from 53.2°F (March 21, 1946) to 55.5°F (July 13, 1950). The temperatures measured at these wells are higher than those measured at other wells of comparable depth in the area, and are high for the region as a whole. In 1951 the observed temperature of the Peconic River ranged from 38°F (November 11, 1951) to 76.5°F (July 30, 1951), and doubtless has a generally comparable temperature fluctuation each year. River water drawn into the water-bearing sands under the influence of pumping is combined with formation water in the pumped well. The resultant water temperature depends upon the relative amounts of water from each source. Presumably the higher-than-average temperature of the well water is due to a higher rate of pumping in the summer, to the fact that warm water travels more easily through the ground than cold, or to both.

Measurements of ground-water temperature made to date indicate that in most areas of Suffolk County the ground-water temperature is low enough for all types of cooling purposes. Coverage, however, has been limited to wells sampled for other purposes, and therefore the temperature data are not uniformly distributed. Few data on ground-water temperature have been collected in large areas of potential industrial development in the central and west-

ern parts of Suffolk County. Additional determinations of temperature at scattered wells and periodic measurements at selected wells to establish periodic or long-term changes are needed to improve the usefulness of other ground-water data.

WELL-NUMBERING SYSTEM

Wells on Long Island, N. Y., are identified by a numbering system set up by the Water Power and Control Commission of New York State. Each well number is prefixed by the initial letter of the county in which it is located. Thus for wells in Suffolk County this prefix would be the letter S, as in the well number S3042.

For the most part, wells drilled prior to 1932 and appearing in the early published reports of the Geological Survey have been subsequently assigned numbers under the current system. Thus the well number S490 is the current number assigned to the well V892, described by Veatch (1906, p. 330).

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Table 1.—Summary of chloride concentrations in well waters of Suffolk County, N. Y., 1928-1953.

| Heat | Pariod Number Conordit Co | | | | | | | | | ı | | |
|---|--|--------|----------------|------|--------|--------|-------------------|---------------|-------|----------------|--------|---|
| Page 1 | Part Table Table | Well | Map coordi- | N | 7,000 | 8 2000 | Period | Number | | est of record | Lowest | of record |
| D-8 Irr 288 M 1946 1 8 Mair 20, 1946 E-8 PS 600 L 1924-77 3 4,4 Sept. 3, 1947 E-8 D 370 L 1938-50 6 7 Feb. 17, 1950 E-8 PS 240 uP 1964-47 2 12 April 3, 1966 E-8 PS 240 uP 1964-47 2 12 April 3, 1966 E-8 PS 240 uP 1964-47 2 12 April 3, 1966 E-8 PS 242 uP 1984-46 3 6 April 13, 1986 E-10 D 763 L 1985-2 9 6 April 14, 1986 E-10 D 763 L 1985-3 9 6 April 14, 1986 E-10 D 763 L 1985-3 9 6 April 14, 1986 E-10 D 763 M | B-8 Irr 288 M 1946 1 B-8 PS 600 L 1932-47 3 B-8 D 314 M 1933-50 6 B-9 D 314 M 1933-52 13 1 B-9 PS 240 uP 1946-47 2 1 B-12 PS 245 uP 1946-47 2 1 B-12 PS 240 uP 1946-47 2 1 B-13 PS 240 uP 1946-47 2 1 B-14 PS 240 M 1932-22 1 | number | nate | Use | (feet) | source | recora (years) | of samples | (bpm) | Date | (bbm) | Date |
| E-5 PS 600 L 1828-47 3 44 Sept. 3, 1947 B-5 D 570 L 1838-50 6 7 Feb. 17, 1850 B-5 D 314 M 1838-50 6 7 Feb. 17, 1850 E-5 PS 240 uP 1946-47 2 12 Mar. 26, 1946 E-6 PS 240 uP 1946-47 2 12 Mar. 26, 1946 E-10 PS 245 uP 1946-47 2 12 Mar. 26, 1946 E-10 PS 245 uP 1946-47 3 6 April 3, 1946 E-10 PS 245 uP 1932-2 9 6 April 3, 1946 E-10 D 742 L 1938-2 9 6 April 3, 1946 E-10 D 743 L 1938-2 9 6 April 1, 1948 E-10 D 745 L | B-9 FPS 600 L 1933-50 6 B-9 D 570 L 1938-52 13 1 B-9 D 314 M 1935-52 13 1 B-9 D 314 M 1946-47 2 13 1 E-8 PS 240 uP 1946-47 2 1 | 83 | D-8 | lrr | 288 | W | 1946 | 1 | 80 | 11 | | |
| E-8 D 570 L 1938-50 6 7 Feb. 17, 1880 B-9 D 314 M 1838-52 13 17 April 3, 1880 B-8 PS 240 uP 1946-47 2 12 Mar. 26, 1946 E-9 PS 227 uP 1934-46 3 6 July 18, 1896 B-12 PS 240 uP 1938-52 9 6 July 18, 1896 B-10 PS 240 M 1938-52 9 6 July 18, 1896 B-10 PS 240 M 1938-52 9 6 April 18, 1896 B-10 PS 240 M 1898-52 9 6 April 18, 1896 B-11 PS 228 M 1892-52 9 6 April 18, 1896 B-11 PS 400 M 1832 1 Aug. 27, 1946 B-11 PS 400 M 1892 | E-8 D 314 M 1938-50 6 B-9 D 314 M 1938-52 13 E-8 PS 240 uP 1946-47 2 E-9 PS 245 uP 1946-47 2 E-10 PS 245 uP 1946-47 2 B-12 PS 245 uP 1934-46 3 B-12 PS 245 uP 1932-5 1 E-10 D 762 L 1938-52 9 E-10 PS 400 M 1938-52 9 B-11 PS 400 M 1932-52 9 B-11 PS 400 M 1932-46 2 B-11 PS 400 M 1936-47 2 B-11 PS 400 M 1946-47 2 B-11 PS 245 M 1950-41 1 | 88 I | E-8 | PS | 009 | L | 1932-47 | 3 | 4.4 | 1 | 4.2 | Oct. 10, 1932 Nov. 10, 1933 |
| B-9 D 314 M 1938-52 13 17 April 3, 1939 E-8 PS 240 uP 1946-47 2 12 Mar. 26, 1946 E-9 PS 245 uP 1946-47 2 12 Mar. 26, 1946 B-12 PS 226 uP 1946-47 2 12 Mar. 26, 1946 B-12 PS 4 Q Mr. 26, 1946 3 6 April 1, 18, 1946 E-10 D 742 L 1938-52 9 6 April 1, 1832 E-10 D 763 L 1938-52 9 6 April 1, 1832 E-10 D 763 L 1948-52 9 6 April 1, 1833 E-10 D 225 uP 1947-46 8 April 27, 1946 B-11 PS 400 M 1932-46 2 5 Mr. 27, 1946 B-11 D 830 M 194 | B-9 D 314 M 1933-52 13 B-18 PS 240 uP 1946-47 2 E-8 PS 245 uP 1946-47 2 B-12 PS 245 uP 1934-46 3 B-12 PS 420 M 1932 1 B-11 PS 420 M 1938-52 9 B-10 D 763 L 1938-52 9 B-11 PS 400 M 1932-5 1 B-11 PS 400 M 1932-46 2 B-11 PS 400 M 1932-46 2 B-11 PS 180 M 1936-47 2 B-11 PS 180 M 1936-47 2 B-13 PS 334 M 1946-47 2 B-13 PS 334 M 1946-47 2 < | 68 | E-8 | Q | 570 | L | 1938-50 | 9 | 7 | 1 | 3.6 | July 3, 1940 |
| E-5 PS 240 uP 1946-47 2 12 Mar. 26, 1946 E-9 PS 277 uP 1946 1 12 Mar. 26, 1946 E-9 PS 245 uP 1932-4 3 6 140f 1846 B-12 PS 420 M 1938-5 9 6 April 1, 1846 E-10 D 742 L 1938-5 9 6 April 1, 1835 E-10 D 763 L 1938-5 9 6 April 1, 1835 E-10 D 763 L 1938-5 9 6 April 1, 1835 E-10 D 225 uP 1947-46 8 12 Mr. 27, 1946 B-11 PS 400 M 1932-46 2 5 Mr. 27, 1946 D-10 PS 400 M 1964-47 2 8 Mr. 27, 1946 E-13 PS 334 M 1946-4 | B-S PS 240 uP 1946-47 2 E-9 PS 277 uP 1946-47 2 E-10 PS 245 uP 1932 1 B-12 PS 420 M 1932 1 B-10 D 742 L 1938-52 9 B-11 PS 450 M 1938-52 9 B-11 PS 553 M 1932-46 2 B-11 PS 400 M 1932-46 2 B-11 PS 400 M 1932-46 2 B-11 PS 400 M 1932-46 2 B-11 PS 334 M 1946-47 2 B-13 PS 334 M 1946-71 3 C-26 Ind 99 uP 1946-72 3 4 G-26 PS 269 M 1932-33 3 <t< td=""><td>S12</td><td>B-9</td><td>Q</td><td>314</td><td>W</td><td>1933-52</td><td>13</td><td>17</td><td></td><td>9</td><td>April 27,1938 May 20, 1938</td></t<> | S12 | B-9 | Q | 314 | W | 1933-52 | 13 | 17 | | 9 | April 27,1938 May 20, 1938 |
| E-5 277 uP 1946 1 12 Mar. 26, 1946 E-10 PS 245 uP 1934-46 3 6 July 18, 1946 B-12 PS 420 M 1932 1 4 Out. 26, 1932 E-10 D 742 L 1938-52 9 6 April 1, 1938 E-10 D 763 L 1938-52 9 6 April 1, 1938 E-10 D 763 L 1938-52 9 6 April 1, 1938 E-10 PS 353 M 1932 1 6.8 Out. 27, 1946 B-11 PS 400 M 1932 1 6.8 Out. 27, 1946 B-11 PS 400 M 1932 1 6.8 Out. 27, 1946 B-11 PS 400 M 1932 1 6.8 Out. 26, 1932 B-11 PS 400 M 1932 | E-8 PS 217 uP 1946 1 B-12 PS 245 uP 1934-46 3 B-12 PS 420 M 1932 1 B-10 D 742 L 1938-52 9 B-10 D 763 L 1938-52 9 B-11 PS 400 M 1932-52 9 B-11 PS 400 M 1932-46 2 B-11 PS 400 M 1932-46 2 B-11 PS 400 M 1946-47 2 B-11 PS 245 M 1946-47 2 F-13 PS 334 M 1950 1 F-13 PS 334 M 1950 1 3 G-26 Ind 1946-52 3 4 F-13 PS 334 M 1932-33 3 4 | S27 | E-8 | PS | 240 | пР | 1946-47 | 2 | 12 | Mar. 26, 1946 | 10.2 | Sept. 3, 1947 |
| E-10 PS 245 uP 1934-46 3 6 July 18, 1946 B-12 PS 420 M 1932 1 4 Oct. 26, 1932 E-10 D 742 L 1938-52 9 6 April 1, 1938 E-10 D 763 L 1938-52 9 6 April 1, 1938 E-10 D 763 L 1938-52 9 6 April 1, 1938 E-10 D 225 uP 1947-46 8 12 April 1, 1938 E-10 PS 553 M 1932 1 6, 9 Oct. 10, 1932 B-11 PS 400 M 1932 1 6, 9 Oct. 12, 1946 D-10 PS 400 M 1932 1 8 Oct. 12, 1946 E-13 PS 400 M 1932 2 8 Mar. 6, 1946 F-13 PS 384 M 19 | B-12 PS 245 uP 1934-46 3 B-12 PS 420 M 1932 1 B-10 D 742 L 1938-52 9 B-10 D 763 L 1938-52 9 B-11 PS 553 M 1932-46 2 B-11 PS 400 M 1932-46 2 D-10 PS 500 uP 1946-47 2 B-11 PS 153 uP 1946-47 2 B-11 PS 245 M 1950-0 1 F-13 PS 245 M 1950-0 1 F-13 PS 334 M 1950-0 1 G-26 Ind 1946-47 2 2 C-26 Ind 99 uP 1946-7 1 3 G-270 PS 369 M 1932-33 3 4 | S29 | E-8 | PS | 277 | пP | 1946 | 1 | 12 | | | |
| B-12 PS 420 M 1938-52 9 6 April 1, 1938 April 21, 1938 April 1, 1938 April 1, 1938 April 21, 1942 April 1, 1938 April 22, 1944 April 1, 1938 April 1, 1939 | B-12 PS 420 M 1932 1 E-10 D 742 L 1938-52 9 E-10 D 763 L 1938-52 9 E-10 D 225 uP 1947-46 8 1 B-11 PS 553 M 1932-46 2 2 D-10 PS 553 M 1932-46 2 1 B-11 PS 400 M 1932-46 2 2 D-10 PS 253 M 1932-46 2 2 B-11 PS 450 M 1946-47 2 2 B-13 PS 245 M 1950 1 1 3 3 3 3 3 3 3 3 3 4 C-26 Ind 99 uP 1946-52 3 4 4 G-20 PS 269 M | S31 | E-9 | PS | 245 | пP | 1934-46 | 3 | 9 | 1 | 4.7 | May 1, 1934 |
| E-10 D 742 L 1938-52 9 6 April 1, 1938 Art 2, 1940 Art 2 | E-10 D 742 L 1938-52 9 E-10 D 225 uP 1947-46 8 1 E-10 PS 553 M 1932 1 B-11 PS 400 M 1932 1 B-11 PS 400 M 1932-46 2 D-10 PS 200 uP 1946-47 2 B-11 PS 200 uP 1946-47 2 B-11 PS 245 M 1950 1 F-13 PS 245 M 1950 1 F-13 PS 334 M 1950 1 G-26 Ind 99 uP 1946 1 3 G-27 PS 269 M 1933-33 3 4 G-20 PS 168 uP 1946-52 3 4 H-21 PS 71 uP | S40 | B-12 | PS | 420 | W | 1932 | 1 | 4 | 1 | | |
| E-10 D 763 L 1938-52 9 6 April 1, 1938 April 1, 1946 April 1, 1938 April 1, 1946 Apr | E-10 D 763 L 1938-52 9 E-10 D 225 uP 1947-46 8 1 E-10 PS 553 M 1932 1 1 B-11 PS 400 M 1932-46 2 2 D-10 PS 200 uP 1946-47 2 1 B-11 PS 153 uP 1946-47 2 1 F-13 PS 245 M 1950 1 1 F-13 PS 334 M 1950 1 3 G-26 Ind 99 uP 1946 1 3 G-20 PS 269 M 1932-33 3 4 G-20 PS 168 uP 1949-52 3 4 H-21 PS 71 uP 1932-33 3 6 H-21 PS 168 uP | 848 | E-10 | Q | 742 | J | 1938-52 | 6 | 9 | 1,58,57, | 4.6 | Mar. 4, 1952 |
| E-10 D 225 uP 1947-46 8 12 Mar. 27, 1946 E-10 PS 553 M 1932 1 6.8 Oct. 10, 1932 B-11 PS 400 M 1932-46 2 5 Mar. 27, 1946 D-10 PS 200 uP 1946-47 2 5 Mar. 20, 1946 E-11 PS 153 uP 1946-47 2 8 Mar. 20, 1946 E-13 PS 245 M 1950 1 8 Mar. 15, 1946 F-13 PS 245 M 1950 1 9 May 16, 1950 F-13 PS 334 M 1950 1 9 May 16, 1950 G-26 Ind 99 May 16, 1950 1 9 May 16, 1950 G-27 PS 333 M 1932-33 3 40 Aug. 26, 1946 G-28 PS N 1933-33 3 | E-10 PS 553 M 1947-46 8 1 B-11 PS 400 M 1932 1 B-11 PS 400 M 1932 1 D-11 PS 400 M 1932-46 2 D-10 PS 200 uP 1966-47 2 F-13 PS 245 M 1950 1 F-13 PS 334 M 1950 1 G-26 Ind 99 uP 1946 1 3 G-26 Ind 99 uP 1932-33 3 3 3 G-20 PS 269 M 1932-33 3 4 G-20 PS 168 uP 1949-52 3 4 H-21 PS 71 uP 1932-33 3 6 H-21 PS 71 uP 1932-33 3 6 | S49 | E-10 | Q | 763 | r | 1938-52 | တ | 9 | 2,83,7 | 4.6 | . Feb. 4, 1952 |
| E-10 PS 553 M 1932 1 6.8 Oct. 10, 1932 B-11 PS 400 M 1932 1 3.8 Oct. 26, 1932 D-11 D 830 M 1932-46 2 5 Mar. 20, 1946 D-10 PS 200 uP 1946-47 2 8 Mar. 20, 1946 P-13 PS 245 M 1946 1 8 Mar. 6, 1946 P-13 PS 245 M 1950 1 9 May 16, 1950 P-13 PS 334 M 1950 1 9 May 16, 1950 P-13 PS 333 M 1950 1 9 May 16, 1950 P-13 PS 383 M 1936-9 1 9 May 16, 1950 P-18 PS 269 M 1932-33 3 34 Oct. 11, 1932 P-20 PS 90 UP 1933-52 <td>E-10 PS 553 M 1932 1 B-11 PS 400 M 1932 1 D-11 D 830 M 1932-46 2 D-10 PS 200 uP 1946-47 2 E-11 PS 153 uP 1946-47 2 F-13 PS 334 M 1950 1 F-13 PS 333 M 1950 1 G-26 Ind 99 uP 1946 1 3 G-27 PS 269 M 1932-33 3 3 3 G-20 PS 168 uP 1949-52 4 3 H-21 PS 71 uP 1932-33 3 4 H-21 PS 71 uP 1933-52 4 3 H-21 PS 71 uP 1932-33 3 6</td> <td>S50</td> <td>E-10</td> <td>Q</td> <td>225</td> <td>пР</td> <td>1947-46</td> <td>oo</td> <td>12</td> <td>27,</td> <td>9</td> <td>Dec. 15, 1937 Feb. 17, 1938 April 1, 1938</td> | E-10 PS 553 M 1932 1 B-11 PS 400 M 1932 1 D-11 D 830 M 1932-46 2 D-10 PS 200 uP 1946-47 2 E-11 PS 153 uP 1946-47 2 F-13 PS 334 M 1950 1 F-13 PS 333 M 1950 1 G-26 Ind 99 uP 1946 1 3 G-27 PS 269 M 1932-33 3 3 3 G-20 PS 168 uP 1949-52 4 3 H-21 PS 71 uP 1932-33 3 4 H-21 PS 71 uP 1933-52 4 3 H-21 PS 71 uP 1932-33 3 6 | S50 | E-10 | Q | 225 | пР | 1947-46 | o o | 12 | 27, | 9 | Dec. 15, 1937 Feb. 17, 1938 April 1, 1938 |
| B-11 PS 400 M 1932-46 2 5 Mar. 26, 1932 D-10 PS 200 uP 1946-47 2 5 Mar. 20, 1946 B-11 PS 200 uP 1946-47 2 8 Mar. 20, 1946 B-11 PS 153 uP 1946-47 2 8 Mar. 20, 1946 F-13 PS 245 M 1950 1 9 Mar. 15, 1946 F-13 PS 334 M 1950 1 9 May. 16, 1950 G-26 Ind 99 uP 1946 1 9 Mar. 1950 1 D-18 PS 269 M 1932-33 3 4 0ct. 11,132 G-20 PS 90 uP 1949-52 4 36 July 7, 1952 G-20 PS 1932-33 3 40 N | B-11 PS 400 M 1932-46 2 D-10 PS 200 uP 1946-47 2 D-10 PS 200 uP 1946-47 2 E-11 PS 153 uP 1946-47 2 F-13 PS 334 M 1950 1 F-13 PS 333 M 1950 1 34 G-26 Ind 99 uP 1946 1 34 3 3 3 G-26 Ind 99 uP 1946 1 3 3 3 3 3 3 G-20 PS 269 M 1932-33 3 4 3 G-20 PS 168 uP 1949-52 3 4 4 3 H-21 PS 71 uP 1932-33 3 6 4 2 H-21 PS 71 uP | S51 | E-10 | PS | 553 | W | 1932 | 1 | 8.9 | | | |
| D-11 D. 830 M 1932-46 2 5 Mar. 20, 1946 D-10 PS 200 uP 1946-47 2 8 Mar. 6, 1946 B-11 PS 245 uP 1946-47 2 8 Mar. 15, 1946 F-13 PS 245 M 1950 1 9 May 16, 1950 F-13 PS 334 M 1950 1 9 May 16, 1950 G-26 Ind 99 uP 1946 1 36 Aug. 16, 1950 D-18 PS 269 M 1932-33 3 34 Oct. 11, 1932 G-20 PS 90 uP 1933-52 4 36 July 17, 1952 2 H-21 PS 71 uP 1949-52 3 40 Sept. 13, 1949 33 H-21 PS 71 uP 1932-33 3 40 Sept. 13, 1949 36 | D-11 D 830 M 1932-46 2 D-10 PS 200 uP 1946-47 2 B-11 PS 153 uP 1946-47 2 F-13 PS 153 uP 1950 1 F-13 PS 334 M 1950 1 G-26 Ind 99 uP 1946 1 34 D-18 PS 269 M 1932-33 3 3 3 G-20 PS 90 uP 1946-52 4 34 G-20 PS 168 uP 1949-52 3 4 H-21 PS 71 uP 1949-52 3 4 H-21 PS 71 uP 1932-33 3 66 | S55 | B-11 | PS | 400 | W | 1932 | 1 | 3.8 | 1 | | |
| D-10 PS 200 uP 1946-47 2 8 Mar. 6, 1946 E-11 PS 153 uP 1946 1 8 Mar. 15, 1946 F-13 PS 245 M 1950 1 9 May 16, 1950 F-13 PS 334 M 1950 1 9 May 16, 1950 G-26 Ind 99 uP 1946 1 36 Aug. 26, 1946 D-18 PS 269 M 1932-33 3 34 Oct. 11, 1950 2 G-20 PS 90 uP 1949-52 4 36 July 17, 1950 3 H-21 PS 168 uP 1949-52 3 40 Sept. 13, 1949 36 H-21 PS 71 uP 1932-33 3 40 Sept. 13, 1949 36 | D-10 PS 200 uP 1946-47 2 F-13 PS 245 M 1946 1 F-13 PS 245 M 1950 1 F-13 PS 334 M 1950 1 34 G-26 Ind 99 uP 1946 1 34 D-18 PS 269 M 1932-33 3 3 3 G-20 PS 90 uP 1933-52 4 3 H-21 PS 71 uP 1933-52 3 44 H-21 PS 71 uP 1933-33 3 68 | 999 | D-11 | D . | 830 | W | 1932-46 | 2 | ıv | | 3.8 | Oct. 12, 1932 |
| E-11 PS 153 uP 1946 1 8 May 15, 1946 F-13 PS 245 M 1950 1 9 May 16, 1950 F-13 PS 334 M 1950 1 9 May 16, 1950 G-26 Ind 99 uP 1946 1 36 Aug. 26, 1946 D-18 PS 269 M 1932-33 3 34 Oct. 11, 1932 G-20 PS 90 uP 1933-52 4 36 July 71, 1952 G-20 PS 168 uP 1949-52 3 40 Sept. 13, 1949 H-21 PS 71 uP 1933-33 3 60 Aug. 15, 1933 H-21 PS 71 uP 1932-33 3 60 Aug. 15, 1933 | E-11 PS 153 uP 1946 1 F-13 PS 245 M 1950 1 F-13 PS 334 M 1950 1 G-26 Ind 99 uP 1946 1 36 D-18 PS 269 M 1932-33 3 3 3 3 G-20 PS 90 uP 1933-52 4 3 44 H-21 PS 71 uP 1933-52 3 44 H-21 PS 71 uP 1933-53 3 68 | 362 | D-10 | PS | 200 | - nB | 1946-47 | 2 | 80 | 1 | 4.8 | 1 . |
| F-13 PS 245 M 1950 1 9 May 16, 1950 F-13 PS 334 M 1950 1 9 May 16, 1950 G-26 Ind 99 uP 1950 1 9 May 16, 1950 D-18 PS 269 M 1932-33 3 34 Oct. 11, 1932 G-20 PS 90 uP 1933-52 4 36 July 7, 1952 G-20 PS 168 uP 1949-52 3 40 Sept. 13, 1949 H-21 PS 71 uP 1932-33 3 60 Av. 16, 1933 | F-13 PS 245 M 1950 1 F-13 PS 334 M 1950 1 G-26 Ind 99 uP 1946 1 33 D-18 PS 269 M 1932-33 3 3 3 G-20 PS 90 uP 1933-52 4 3 H-21 PS 71 uP 1949-52 3 4 H-21 PS 71 uP 1933-33 3 6 | 365 | E-11 | PS | 153 | пР | 1946 | 1 | 80 | Mar. 15, 1946 | | |
| F-13 PS 334 M 1950 1 9 May 16, 1950 F-13 PS 333 M 1950 1 9 May 16, 1950 G-26 Ind 99 uP 1932-33 3 34 Oct. 11, 1932 G-20 PS 90 uP 1933-52 4 36 July 7, 1952 G-20 PS 168 uP 1949-52 3 40 Sept. 13, 1949 H-21 PS 71 uP 1933-33 1 28 Nov. 16, 1933 H-21 PS 71 uP 1932-33 3 60 Avg. 15, 10-20 | F-13 PS 334 M 1950 1 F-13 PS 333 M 1950 1 G-26 Ind 99 uP 1946 1 3 D-18 PS 269 M 1932-33 3 3 3 G-20 PS 90 uP 1933-52 4 3 G-20 PS 168 uP 1949-52 3 4 H-21 PS 71 uP 1932-33 3 6 H-21 PS 18 uP 1932-33 3 6 | 3112 | F-13 | PS | 245 | W | 1950 | 1 | 6 | May 16, 1950 | | |
| F-13 PS 333 M 1950 1 9 May 16, 1950 G-26 Ind 99 uP 1946 1 36 Aug. 26, 1946 D-18 PS 269 M 1932-33 3 34 Oct. 11, 1932 G-20 PS 90 uP 1933-52 4 36 July 11, 1950 G-20 PS 168 uP 1949-52 3 40 Sept. 13, 1949 H-21 PS 71 uP 1932-33 3 60 Aug. 15, 1933 H-21 PS 55 uP 1932-33 3 60 Aug. 15, 1933 | F-13 PS 333 M 1950 1 G-26 Ind 99 uP 1946 1 3 D-18 PS 269 M 1932-33 3 3 3 G-20 PS 90 uP 1933-52 4 3 G-20 PS 168 uP 1949-52 3 4 H-21 PS 71 uP 1932-33 3 6 H-21 PS 55 uP 1932-33 3 6 | 5113 | F-13 | PS | 334 | M | 1950 | 1 | 6 | 1 | | |
| G-26 Ind 99 uP 1946 1 36 Aug. 26, 1946 D-18 PS 269 M 1932-33 3 34 Oct. 11, 1932 G-20 PS 90 uP 1933-52 4 36 July 7, 1952 G-20 PS 168 uP 1949-52 3 40 Sept. 13, 1949 H-21 PS 71 uP 1932-33 3 60 Aug. 15, 1933 H-21 PS 55 uP 1932-33 3 60 Aug. 16, 1933 | G-26 Ind 99 uP 1946 1 D-18 PS 269 M 1932-33 3 G-20 PS 90 uP 1933-52 4 G-20 PS 168 uP 1949-52 3 H-21 PS 71 uP 1933-33 1 H-21 PS 71 uP 1932-33 3 | 3114 | F-13 | PS | 333 | W | 1950 | 1 | 6 | 1 | | |
| D-18 PS 269 M 1932-33 3 34 Oct. 11, 1932 G-20 PS 90 uP 1933-52 4 36 July 7, 1952 G-20 PS 168 uP 1949-52 3 40 Sept. 13, 1949 H-21 PS 71 uP 1933-33 3 60 Avg 15, 1933 H-21 PS 55 uP 1932-33 3 60 Avg 15, 1033 | D-18 PS 269 M 1932-33 3 G-20 PS 90 uP 1933-52 4 G-20 PS 168 uP 1949-52 3 H-21 PS 71 uP 1933 1 H-21 PS 55 uP 1932-33 3 | 3131 | G-26 | Ind | 66 | пР | 1946 | - | 36 | 1 | | |
| G-20 PS 90 uP 1933-52 4 36 July 11, 1950 July 7, 1952 G-20 PS 168 uP 1949-52 3 40 Sept. 13, 1949 H-21 PS 71 uP 1932-33 3 60 Av. 16, 1933 H-21 PS 55 uP 1932-33 3 60 Av. 16, 1933 | G-20 PS 90 uP 1933-52 4 G-20 PS 168 uP 1949-52 3 H-21 PS 71 uP 1933 1 H-21 PS 55 uP 1932-33 3 | 3153 | D-18 | PS | 569 | M | 1932-33 | 8 | 34 | 1,5,5, | | |
| G-20 PS 168 uP 1949-52 3 40 Sept. 13, 1949 H-21 PS 71 uP 1933 1 28 Nov. 16, 1933 H-21 PS 55 uP 1932-33 3 69 Ang 15 1020 | G-20 PS 168 uP 1949-52 3 H-21 PS 71 uP 1933 1 H-21 PS 55 uP 1932-33 3 | 6918 | G-20 | PS | 06 | пЪ | 1933-52 | | 36 | | 24 | Sept. 13, 1949 |
| H-21 PS 71 uP 1933 1 28 Nov. 16, 1933 H-21 PS 55 uP 1932-33 3 60 A. 2 15 1023 | H-21 PS 71 uP 1933 1 H-21 PS 55 uP 1932-33 3 | 170 | G-20 | PS | 168 | пР | 1949-52 | 8 | 40 | Sept. 13, 1949 | 36 | July 11, 1950 July 7, 1952 |
| H-21 PS 55 uP 1932-33 3 69 And 15 1022 | H-21 PS 55 uP 1932-33 3 | 177 | H-21 | . PS | 71 | пР | 1933 | , 1 | 28 | 16, | | |
| 00 Aug. 15, 1933 | | 178 | H-21 | PS | 55 | пР | 1932-33 | · . | 89 | Aug. 15, 1933 | . 45 | Oct. 11, 1932 |

See footnotes at end of table.

Table 1,-Summary of chloride concentrations in well waters of Suffolk County, N. Y., 1928-1953—(Continued).

| o Mode In Section (North Action of Mode) Norther (North Action of Mod | | 4 | | | (| renoa | | • | * . | , | , |
|--|-------|------------------------|----------|-----------------|--------------------|-------------------------|-------------------------|------|----------------------|---------------------------------|--------------------------------|
| H-22 PS 139 uP 1946 1 144 Mar. 15, 1946 H-22 T 688 L 1935 1 7000 1858 H-22 T 688 L 1935 1 7000 1858 G-21 PS 50.3 uP 1697-39 12 19 5804, 6, 1888 H-21 PS 40 uP 1697-39 12 19 5804, 6, 1888 H-21 PS 4 uP 1697-39 12 19 5804, 6, 1888 H-21 PS 4 0 P 1696 1 3 Aug. 1, 1987 H-17 D 113 uP 1946-48 4 20 Aug. 1, 1984 F-18 D 193 uP 1946-48 4 20 Aug. 1, 1984 F-18 D 193 uP 1946-48 4 17 Sept. 6, 1988 F-18 D 193 uP | Well | Map coordi- nate | z Use | Depth (feet) | Geologic source | of record (years) | Number of samples | | st of record Date | Lowest of record Cl (ppm) | f record Date |
| H 22 T 688 L 1835 1 7600 Nov. 6, 1837 1 G 21 PS 27.3 uP 1837-30 12 14 5401 6, 1838 1 G 21 PS 16 uP 1837-30 12 14 5401 6, 1838 1 G 21 PS 16 uP 1837-30 12 19 5801 6, 1838 1 H-21 PS a uP 1847-30 10 20 Aug. 1, 1838 1 D-11 D 40 uP 1847-48 4 20 Aug. 20, 1948 1 F-17 D 1132 uP 1945-48 4 20 Aug. 20, 1948 1 F-17 D 1132 uP 1945-48 4 20 Aug. 11, 1948 1 F-17 D 1132 uP 1945-48 4 20 Aug. 14, 1947 1 F-18 D | S184 | F-22 | PS | 139 | пР | 1946 | - | 14 | | | |
| H-21 PS 57.3 uP 1697-39 12 80 Nor. 9, 1637 11 11 12 12 12 14 1697-39 12 14 14 1698 12 14 1698 13 14 1598 14 1598 15 14 1598 15 14 1598 15 14 1598 15 14 15 1 | S189 | H-22 | L | 899 | 7 | 1935 | 1 | 7600 | 1935 | | |
| G-21 PS 50.3 uP 1897-39 12 14 Sept. 6, 1838 1 G-21 PS 16 uP 1897-39 12 19 Sept. 6, 1838 1 H-21 PS a uP 1847-39 10 23 Aug. 1, 1838 1 P-11 D 162,5 uP 1945-48 4 20 Aug. 1, 1848 1 P-18 D 163 uP 1945-48 4 20 Aug. 1, 1848 1 P-18 D 163 uP 1945-48 4 42 1uh 20, 1848 1 P-18 D 79 uP 1945-48 4 42 1uh 20, 1948 1 P-18 D 79 uP 1945-48 4 42 1uh 20, 1948 1 P-18 D 79 uP 1945-48 4 42 1uh 20, 1948 1 P-18 D 78 uP 1945-48 <td>S197</td> <td>H-21</td> <td>PS</td> <td>27.3</td> <td>пР</td> <td>1937-39</td> <td>12</td> <td>80</td> <td>6</td> <td>19</td> <td>Aug. 1, 1938</td> | S197 | H-21 | PS | 27.3 | пР | 1937-39 | 12 | 80 | 6 | 19 | Aug. 1, 1938 |
| G-21 FS 16 uP 1937-39 12 19 Sept. 6, 1838 1 H-21 FS a uP 1945-39 10 23 Aug. 1, 1938 1 D-11 D 40 uP 1946-48 1 3 Aug. 1, 1948 1 F-17 D 132.5 uP 1945-48 3 20 Aug. 20, 1948 1 F-17 D 113 uP 1945-48 4 42 Aug. 20, 1948 1 F-18 D 70 uP 1945-48 4 42 Aug. 20, 1948 1 F-18 D 70 uP 1945-48 4 42 Aug. 20, 1948 1 F-16 D 70 uP 1945-48 4 42 Aug. 20, 1948 1 F-16 D 70 uP 1945-48 3 20 Aug. 20, 1948 1 F-16 D 70 uP 1945-48 | S199 | G-21 | PS | 50.3 | пР | 1937-39 | 12 | 14 | 6, | 6 | Jan. 20, 1938 |
| H-21 PS a uP 1697-39 10 23 Aug. 1, 1838 1 D-11 D 40 uP 1646-48 4 20 Aug. 22, 1946 1 P-17 D 182.5 uP 1646-48 3 20 Infy 1, 1946 1 F-17 D 113 uP 1645-48 4 42 Infy 20, 1948 1 F-18 D 79 uP 1645-48 4 42 Infy 30, 1948 1 F-18 D 79 uP 1645-48 4 42 Infy 30, 1948 1 F-18 D 79 uP 1645-48 3 26 Infy 30, 1948 1 F-18 D 79 uP 1645-48 3 26 Infy 30, 1948 1 F-18 D 78 M 1645-48 3 26 Infy 30, 1948 1 F-18 D 78 M 1645-49 | S199 | G-21 | PS | 16 | пЪ | 1937-39 | 12 | 19 | 6, | 11 | Nov. 10, 1937 Aug. 1, 1938 |
| D-11 D 40 uP 1946 1 3 Mar. 20, 1946 1 F-17 D 132.5 uP 1945-48 4 20 Aug. 21, 1945 1 F-17 D 113 uP 1945-48 3 20 1/hr 11, 1946 1 F-18 D 113 uP 1945-48 4 4 20 Aug. 14, 1947 1 F-18 D 179 uP 1945-48 4 4 20 1/hr 20, 1948 1 F-18 D 79 uP 1945-48 4 4 20 Aug. 14, 1947 1 F-18 D 158 uP 1945-48 4 4 20 Aug. 1948 1 F-16 D 158 uP 1945-48 4 4 10 Aug. 1949 1 F-16 D 20 uP 1945-48 4 32 Aug. 1949 1 F-16 | S200 | H-21 | PS | æ | пР | 1937-39 | 10 | 23 | | 11 | Oct. 13, 1937 |
| F-17 D 182.5 uP 1945-48 4 20 Aue, 22 1945 194 | S301 | D-11 | Q | 40 | d _n | 1946 | 1 | 9 | | | |
| F-17 D 113 uP 1945-48 3 20 Jihy 11, 1946 1 F-18 D 79 uP 1945-49 4 42 July 26, 1948 1 F-18 D 89 uP 1945-49 4 17 Sept. 1, 1949 11 F-18 D 158 uP 1945-49 3 26 July 30, 1949 11 F-19 Irr 255 M 1945-49 2 July 30, 1949 11 F-19 Irr 255 M 1945-49 1 3 Aug. 14, 1947 1 F-19 D 865 M 1945-49 1 30 Aug. 4, 1948 1 F-14 D 865 M 1945-49 1 30 Aug. 4, 1948 1 F-16 D 80 uP 1945-49 4 32 Aug. 15, 1946 2 C-13 PS 104 1945-49 1 40 </td <td>S527</td> <td>F-17</td> <td>Q</td> <td>132.5</td> <td>пР</td> <td>1945-48</td> <td>4</td> <td>20</td> <td>8,4,8,</td> <td>16</td> <td>July 11, 1946</td> | S527 | F-17 | Q | 132.5 | пР | 1945-48 | 4 | 20 | 8,4,8, | 16 | July 11, 1946 |
| F-18 D 79 uP 1945-48 4 42 July 26, 1948 1 F-18 D 89 uP 1945-48 4 17 Sept. 1, 1949 11 F-17 D 158 uP 1945-48 3 65 July 30, 1949 1 F-18 Ir 255 M 1945-49 10 2 11 Mar. 14, 1947 1 F-18 D 865 M 1946-47 3 65 Aug. 4, 1948 1 F-19 D 86 uP 1946-49 1 30 Mar. 13, 1946 1 F-16 D 90 uP 1946-47 2 14 4.0 Mar. 13, 1946 C-13 PS 104 uP 1946-47 2 12 Mar. 13, 1946 C-13 PS 104 uP 1946-47 2 12 Mar. 13, 1946 C-13 PS 144 uP 1946-47 <td< td=""><td>S552</td><td>F-17</td><td>Q</td><td>113</td><td>пЪ</td><td>1945-48</td><td>8</td><td>20</td><td>i</td><td>19</td><td>Aug. 16, 1945</td></td<> | S552 | F-17 | Q | 113 | пЪ | 1945-48 | 8 | 20 | i | 19 | Aug. 16, 1945 |
| F-18 D 89 uP 1945-49 4 17 Sept. 1, 1948 11 F-17 D 158 uP 1945-49 3 26 July 30, 1948 1 F-18 Ir 255 M 1945-49 3 65 Aug. 14, 1947 1 D-11 D 865 M 1928-46 2 11 Mar. 20, 1946 1 F-14 D 223 M 1945-49 1 30 Mar. 13, 1946 1 F-16 D 90 uP 1945-49 4 32 Aug. 5, 1945 1 F-9 D 80 uP 1945-49 4 32 Aug. 5, 1945 1 C-13 PS 104 uP 1946-47 2 12 Mar. 13, 1946 2 C-13 PS 104 uP 1946-47 2 12 Mar. 13, 1946 2 C-13 PS 144 uP 1946-47 <td>S620</td> <td>F-18</td> <td>Q</td> <td>79</td> <td>пР</td> <td>1945-48</td> <td>4</td> <td>42</td> <td>1</td> <td>15</td> <td>Aug. 16, 1945</td> | S620 | F-18 | Q | 79 | пР | 1945-48 | 4 | 42 | 1 | 15 | Aug. 16, 1945 |
| F-17 D 158 uP 1945-48 3 26 July 30, 1948 1 F-18 Ir 255 M 1945-47 3 65 Aug. 14, 1947 1 D-11 D 865 M 1928-46 2 11 Mar. 20, 1946 1 F-19 D 223 M 1945-49 10 54 Aug. 4, 1948 1 F-24 PS 94 uP 1945-49 4 32 Aug. 4, 1948 1 F-16 D a uP 1945-49 4 32 Aug. 4, 1948 1 F-16 D 90 uP 1945-49 4 32 Aug. 15, 1946 1 C-13 PS 104 uP 1946-47 2 12 Mar. 15, 1946 2 C-13 PS 104 uP 1946-47 2 12 Mar. 15, 1946 2 14 Mar. 15, 1946 2 14 Mar. 15, 1946 | S638 | F-18 | Q | 89 | пР | 1945-49 | 4 | 17 | | 51 | Aug. 16, 1945 |
| F-18 Irr 255 M 1945-47 3 65 Aug. 14, 1947 1 D-11 D 865 M 1924-46 2 11 Mar. 20, 1946 1 F-18 D 223 M 1945-49 10 54 Aug. 4, 1948 1 F-24 PS 94 uP 1945-49 1 30 Mar. 13, 1946 1 F-17 D a uP 1945-49 4 32 Aug. 4, 1948 1 F-16 D a uP 1945-49 4 32 Aug. 5, 1945 1 C-13 PS uP 1945-49 1 430 Mar. 15, 1946 2 C-13 PS 104 uP 1946-47 2 12 Mar. 13, 1946 2 C-13 PS 144 uP 1946-47 2 12 Mar. 13, 1946 2 C-13 PS 144 uP 1946-47 2 <td>S644</td> <td>F-17</td> <td>Q</td> <td>158</td> <td>пР</td> <td>1945-48</td> <td>e</td> <td>26</td> <td></td> <td>15</td> <td>Aug. 23, 1945 Aug. 12, 1947</td> | S644 | F-17 | Q | 158 | пР | 1945-48 | e | 26 | | 15 | Aug. 23, 1945 Aug. 12, 1947 |
| D-11 D 865 M 1928-46 2 11 Mar. 20, 1946 F-18 D 223 M 1945-49 10 54 Aug. 4, 1948 1 F-24 PS 94 uP 1946-45 4 32 Aug. 5, 1945 1 E-17 D a uP 1945-48 4 32 Aug. 5, 1945 1 F-16 D 80 uP 1946-47 2 12 Mar. 13, 1946 C-13 PS 104 uP 1946-47 2 12 Mar. 13, 1946 C-13 PS 104 uP 1946-47 2 12 Mar. 13, 1946 E-9 PS 144 uP 1946-47 2 12 Mar. 15, 1946 B-16 D a uP 1946-47 2 12 Mar. 15, 1946 B-16 D a uP 1946-47 2 12 Mar. 15, 1946 B-14 | S681 | F-18 | Irr | 255 | W | 1945-47 | 3 | 65 | 14, | 11 | Aug. 21, 1945 |
| F-14 D 2233 M 1945-49 10 54 Aug. 4, 1948 1 F-24 PS 94 uP 1946-49 1 30 Mar. 13, 1946 F-16 D a uP 1945-49 4 32 Aug. 5, 1945 F-9 D a uP 1945-47 2 Aug. 5, 1945 F-9 D 80 uP 1946-47 2 Aug. 15, 1946 C-13 PS 104 uP 1946-47 2 12 Mar. 15, 1946 E-9 PS 144 uP 1946-47 2 12 Mar. 13, 1946 E-9 PS 144 uP 1946-47 2 12 Mar. 15, 1946 2 D-14 Irr a uP 1946-47 2 Aug. 4, 1946 2 D-14 Irr a uP 1946-47 2 Aug. 4, 1946 2 D-14 Irr a uP | S715 | D-11 | Q | 865 | W | 1928-46 | 7 | 11 | 20, | 3.4 | Feb. 8, 1929 |
| F-24 PS 94 uP 1946 1 30 Mar. 13, 1946 E-17 D a uP 1945-48 4 32 Aug. 5, 1945 F-16 D 90 uP 1953 1 22 Mar. 3, 1953 F-9 D 80 uP 1943 1 430 Mar. 15, 1943 C-13 PS 104 uP 1946-47 2 12 Mar. 15, 1946 C-13 PS 104 uP 1946-47 2 12 Mar. 15, 1946 E-9 PS 144 uP 1946-47 2 12 Mar. 15, 1946 F-16 D a uP 1946-47 2 14 Mar. 15, 1946 F-16 D a uP 1946-47 2 14 Mar. 15, 1946 F-16 D a uP 1946-47 2 14 Mar. 15, 1946 F-18 Dr.14 uP 1946-48 | S716 | F-18 | Q | 223 | W | 1945-49 | 10 | 54 | 4, | 10 | Aug. 30, 1949 |
| E-17 D a uP 1945-48 4 32 Aug. 5, 1945 F-16 D 90 uP 1953 1 22 Mar. 3, 1953 F-9 D 80 uP 1943 1 430 Mar. 15, 1943 C-13 PS 104 uP 1946-47 2 12 Mar. 13, 1946 C-13 PS 104 uP 1946-47 2 12 Mar. 13, 1946 E-9 PS 144 uP 1946-47 2 12 Mar. 13, 1946 F-16 PS 144 uP 1946-47 2 12 Mar. 13, 1946 P-16 PS 144 uP 1946-47 2 12 Mar. 13, 1946 P-18 P-18 UP 1945-48 3 26 Aug. 4, 1946 2 P-18 P-19 P-1 NP 1943-48 3 <td>S721</td> <td>F-24</td> <td>S.</td> <td>94</td> <td>пР</td> <td>1946</td> <td>1</td> <td>30</td> <td>13,</td> <td></td> <td></td> | S721 | F-24 | S. | 94 | пР | 1946 | 1 | 30 | 13, | | |
| F-16 D 90 uP 1953 1 22 Mar. 3. 1953 F-9 D 80 uP 1943 1 430 Mar. 15, 1943 C-13 PS 104 uP 1946-47 2 12 Mar. 13, 1946 E-9 PS 104 uP 1946-47 2 12 Mar. 13, 1946 E-9 PS 144 uP 1946-47 2 12 Mar. 13, 1946 F-16 D a uP 1946-47 2 12 Mar. 13, 1946 D-14 Irr a uP 1945-48 3 26 Aug. 4, 1948 2 F-18 D a uP 1945-48 3 28 July 15, 1946 2 F-9 D 91 M 1945-48 3 28 July 1, 1949 F-9 D 91 M 1945-4 | S738 | E-17 | Q | ಪ | dn | 1945-48 | 4 | 32 | χ, | 80 | July 18, 1946 Aug. 14, 1947 |
| F-9 D 80 uP 1943 1 430 Mar. 15, 1943 C-13 PS 104 uP 1946-47 2 12 Mar. 13, 1946 C-13 PS 104 uP 1946-47 2 12 Mar. 13, 1946 E-9 PS 144 uP 1946-47 2 12 Mar. 13, 1946 F-16 D a uP 1946-47 3 26 Aug. 4, 1948 2 D-14 Irr a uP 1945-48 3 26 Aug. 4, 1948 2 F-18 D a uP 1945-48 3 28 July 15, 1946 2 F-9 D 91 M 1945-48 3 28 July 15, 1946 2 F-9 D 91 M 1945-48 3 28 July 15, 1946 2 F-19 D 91 M 1945-48 4 51 Aug. 4, 1950 <t< td=""><td>S742</td><td>F-16</td><td>Q</td><td>06</td><td>пЪ</td><td>1953</td><td>1</td><td>22</td><td></td><td></td><td></td></t<> | S742 | F-16 | Q | 06 | пЪ | 1953 | 1 | 22 | | | |
| C-13 PS 104 uP 1946-47 2 12 Mar. 13, 1946 C-13 PS 104 uP 1946-47 2 12 Mar. 13, 1946 E-9 PS 144 uP 1946-47 2 12 Mar. 15, 1946 P-16 D a uP 1945-48 3 26 Aug. 4, 1948 2 P-18 D a uP 1945-48 3 28 Nov. 1, 1949 2 F-19 D a uP 1945-48 3 28 July 15, 1946 2 F-19 D 91 M 1943-48 3 28 July 15, 1946 2 E-19 PS a uP 1950 1 4.9 Mar. 15, 1943 3 E-17 D 204 uP 1945-48 4 51 Aug. 18, 1945 3 E-13 D 204 uP 1945-48 4 51 Aug. 18, 1 | Sº49 | F-9 | Q | 80 | пР | 1943 | 1 | 430 | | | |
| C-13 PS 104 uP 1946-47 2 12 Mar. 13, 1946 E-9 PS 144 uP 1946-48 1 14 Mar. 15, 1946 F-16 D a uP 1945-48 3 26 Aug. 4, 1948 2 P-14 Irr a uP 1945-48 3 26 Aug. 1, 1949 2 F-18 D a uP 1945-48 3 28 July 15, 1946 2 F-3 D 91 M 1945-48 3 28 July 15, 1946 2 E-19 PS a uP 1950 1 4.9 Mar. 15, 1943 3 F-17 D 82.5 uP 1945-48 4 51 Aug. 18, 1945 3 F-13 D 204 uP 1945-48 4 51 Aug. 15, 1947 | S871 | C-13 | PS | 104 | пР | 1946-47 | 2 | 12 | Mar. 13, 1946 | 7.2 | Sept. 4, 1947 |
| E-9 PS 144 uP 1946 1 14 Mar. 15, 1946 F-16 D a uP 1945-48 3 26 Aug. 4, 1948 2 D-14 Irr a uP 1949 1 8 Nov. 1, 1949 2 F-18 D 91 M 1945-48 3 28 July 15, 1946 2 F-9 D 91 M 1943 1 4.9 Mar. 15, 1943 2 E-19 PS a uP 1950 1 15 Aug. 4, 1950 3 F-17 D 82.5 uP 1945-48 4 51 Aug. 18, 1945 3 | S872 | C-13 | PS | 104 | пР | 1946-47 | 2 | 12 | Mar. 13, 1946 | 7.2 | Sept. 4, 1947 |
| F-16 D a uP 1945-48 3 26 Aug. 4, 1948 2 D-14 Irr a uP 1949 1 8 Nov. 1, 1949 2 F-18 D a uP 1945-48 3 28 July 15, 1946 2 F-9 D 91 M 1943 1 4.9 Mar. 15, 1943 2 E-19 PS a uP 1950 1 15 Aug. 4, 1950 3 F-17 D 82.5 uP 1945-48 4 51 Aug. 18, 1945 3 F-13 D 204 uP 1945-48 4 51 Aug. 18, 1945 3 | S874 | E-9 | PS | 144 | пР | 1946 | 1 | 14 | | | |
| D-14 Irr a uP 1949 1 8 Nov. 1, 1949 F-18 D a uP 1945-48 3 28 July 15, 1946 2 F-9 D 91 M 1943 1 4.9 Mar. 15, 1943 2 E-19 PS a uP 1950 1 15 Aug. 4, 1950 3 F-17 D 82.5 uP 1945-48 4 51 Aug. 18, 1945 3 F-13 D 204 uP 1945-47 2 9 Aug. 15, 1947 | S932 | F-16 | Q | ಪ | пР | 1945-48 | 3 | 26 | | 20 | Aug. 14, 1947 |
| F-18 D a uP 1945-48 3 28 July 15, 1946 2 F-9 D 91 M 1943 1 4.9 Mar. 15, 1943 2 E-19 PS a uP 1950 1 15 Aug. 4, 1950 F-17 D 82.5 uP 1945-48 4 51 Aug. 18, 1945 3 F-13 D 204 uP 1945-47 2 9 Aug. 15, 1947 3 | S933 | D-14 | Irr | ed | чP | 1949 | 1 | 8 | | | |
| F-9 D 91 M 1943 1 4.9 Mar. 15, 1943 E-19 PS a uP 1950 1 15 Aug. 4, 1950 F-17 D 82.5 uP 1945-48 4 51 Aug. 18, 1945 3 E-13 D 204 uP 1945-47 2 9 Aug. 15, 1947 | 81029 | F-18 | Q | æ | пЪ | 1945-48 | e | 28 | 15, | 20 | July 27, 1948 |
| E-19 PS a uP 1950 1 15 Aug. 4, 1950 F-17 D 82.5 uP 1945-48 4 51 Aug. 18, 1945 3 | S1039 | F-9 | Q | 91 | W | 1943 | 1 | 4.9 | 15, | | |
| F-17 D 82.5 uP 1945-48 4 51 Aug. 18, 1945 3 | S1087 | E-19 | PS | æ | пР | 1950 | 1 | 15 | 4, | | |
| E 12 F 204 "P 1945-47 2 9 Aug. 15. 1947 | S1097 | F-17 | Q | 82.5 | пР | 1945-48 | 4 | 51 | 18, | 32 | July 27, 1948 |
| L-12 D 2014 di 1917-11 2 | S1099 | F-13 | Q | 204 | пР | 1945-47 | 7 | 6 | Aug. 15, 1947 | 4 | Aug. 25, 1945 |

See footnotes at end of table.

Table 1.—Summary of chloride concentrations in well waters of Suffolk County, N. Y., 1928 - 1953—(Continued).

| Well | Map coordi- | N | Depth | 3 Geologic | Period of | Number | 1 | Highest of record | Lowest of record | rf record |
|---------------------------------|------------------|-----|------------|---------------|-----------|---------|-------|---------------------------------|------------------|--------------------------------|
| number | nate | Use | (feet) | source | (years) | samples | (mdd) | Date | (mdd) | Date |
| S1100 | F-17 | D | æ | пР | 1945-49 | ro | 32 | Aug. 17, 1945 | 20 | July 11, 1946 |
| S1128 | F-16 | D | 8 | пР | 1945-48 | 4 | 18 | Aug. 18, 1945 | 14 | July 30, 1948 |
| S1129 | F-16 | D | 8 | пР | 1945-48 | 4 | 20 | Aug. 14, 1947 | 14 | Aug. 17, 1945 |
| S1215 | F-17 | Irr | 115 | uP | 1945-48 | 4 | 22 | July 11, 1946 July 27, 1948 | 19 | Aug. 17, 1945 Aug. 12, 1947 |
| S1232 | F-18 | Irr | 65 | пР | 1946-48 | 9 | 24 | July 10, 1946 Aug. 21, 1948 | 20 | Aug. 12, 1947 |
| S1259 | F-16 | D | 83 | пР | 1946-48 | 3 | 24 | Aug. 11, 1948 | 18 | July 17, 1946 |
| S1277 | E-19 | D | 41 | пР | 1945-48 | 4 | 15 | Sept. 1, 1948 | 2 | Aug. 23, 1945 |
| S1303 | E-8 | PS | 50 | пР | 1946 | 1 | 16 | Mar. 15, 1946 | | |
| S1306 | E-8 | PS | 50 | пР | 1946 | 1 | 16 | Mar. 15, 1946 | | |
| S1311 | E-8 | PS | 50 | пР | 1946 | 1 | 16 | Mar. 15, 1946 | | |
| S1313 | E-8 | PS | 570 | T | 1946 | - | 10 | Mar. 15, 1946 | | |
| S1318 | E-19 | PS | В | пР | 1934-50 | 2 | 22 | Aug. 4, 1950 | 8 | Sept. 17, 1934 |
| S1319- S1323 | F-17 | PS | 90- 115 | пР | 1932-53 | 7 | 12 | Mar. 21, 1946 Sept. 19, 1949 | 5.5 | Oct. 11, 1932 |
| S1326- S1330 | 6-8 C-8 | PS | 09 | пР | 1946-47 | 7 | 12 | Mar. 4, 1946 | 7.8 | Sept. 5, 1947 |
| S1331 | D-14 | PS | 09 | пР | 1946 | 1 | 12 | Mar. 14, 1946 | | |
| S1336 | F-13 | PS | 95 | пР | 1946 | 1 | 10 | Mar. 15, 1946 | | |
| S1340 | E-21 | PS | 85 | пР | 1946 | 1 | 22 | Mar. 18, 1946 | | |
| S1345 | D-18 | PS | 46 | пР | 1946 | 1 | 12 | Mar. 18, 1946 | | |
| S1347- S1349 (See S4038 - | D-18 - S4043) | PS | 40- 46 | пЬ | 1947 | 1 | 5.8 | Sept. 4, 1947 | | |
| S1350 (See S1660 | C-10 - S1664) | PS | 09 | пР | 1946 | - | 9 | Mar. 14, 1946 | | |
| S1373 | G-26 | Ind | 49.5 | пР | 1946 | - | 880 | Aug. 26, 1946 | | |
| S1396 | G-26 | Ind | 50 | пР | 1946 | 1 | 9 | Aug. 26, 1946 | | |
| S1424 | F-18 | Irr | B | пР | 1946-53 | œ | 32 | July 1, 1953 | 20 | July 15, 1946 |
| S1445 | D-9 | Irr | 183 | M | 1945-47 | 2 | 11 | Aug. 18, 1947 | 6 | Aug. 24, 1945 |
| S1481 | F-17 | PS | 138 | пР | 1945-48 | 4 | 21 | July 27, 1948 | 14 | July 11, 1946 |
| S1610 | F-18 | Irr | 93 | uР | 1946-48 | 2 | 38 | July 28, 1948 | 30 | July 10, 1946 |
| S1660- S1664 (See S1350) | C-10 | PS | 09 | пР | 1946 | 1 | 9 | Mar. 14, 1946 | | |
| | | | | | | | | | | |

See footnotes at end of table.

Table 1.—Summary of chloride concentrations in well waters of Suffolk County, N. Y., 1928-1953—(Continued).

| Minds Minds <th< th=""><th>1 Pariods Pariods Number of Controls Coltaborated of Freedrice (Pariods) Household (Pariods) Household (Pariods) Household (Pariods) Household (Pariods) Coltaborated of Freedrice (Pariods) Household (Pariods) <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<></th></th<> | 1 Pariods Pariods Number of Controls Coltaborated of Freedrice (Pariods) Household (Pariods) Household (Pariods) Household (Pariods) Household (Pariods) Coltaborated of Freedrice (Pariods) Household (Pariods) <th< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<> | | | | | | | | | | | |
|---|---|------------------------------|------------------------|----------|-----------------|-------------------------|--------------------------|-------------------------|-----|-----------------------|--------------------------|------------|
| PS 30 uP 1990-51 1 150 May 16, 1800 70 104 5 1 PS 35 uP 1940-51 6 94 Mar. 2, 1846 70 104 5 1 PS 3 uP 1940-52 6 424 Mar. 2, 1846 70 104 72 | 1 PS 60 ap 1960-1 1 150 Nat. 25, 1946 70 July 20, 1850 70 July 20, 1850 70 July 20, 1850 70 July 20, 1860 July 20, 1860< | Well | Map coordi- nate | z Use | Depth (feet) | s Geologic source | Period of record (years) | Number of samples | | 4 test of record Date | Lowest o. Cl (ppm) | |
| 1 PS 35 up 1946-511 0 94 Max. 22, 1946 76 104 71 186 7 187< | 1 PS PS PS PS PS PS PS | S1667 | F-22 | PS | 09 | пР | 1950 | 1 | 15 | May 16, 1950 | | |
| 1 PS a up 1946-50 2 153 juy 7,1850 105 7,1850 105 7,1850 105 7,1850 105 7,1850 105 7,1850 105 7,1850 105 7,1850 105 7,1850 105 7,1850 105 7,1850 105 7,1850 105 7,1850 105 | 1 PS a uP 1946-50 2 163 144 7; 1950 135 Aug. 24; 1949 135 Aug. 24; 1949 123 Aug. 24; 1949 124 Aug. 12; 1949 | S1668 | H-21 | PS | 35 | пР | 1946-51 | 9 | 94 | 22, | 92 | 8, |
| 1 PS SS uP 1945-SS G 424 Aug. 24, 1949 123 140 7 9 PS GO uP 1941-30 3 240 Sept. 22, 1941 14 Aug. 15, 1946 7 Aug. 15, 1946 Aug. 15, 194 | 1 184 | S1669 | H-21 | PS | æ | пР | 1949-50 | 7 | 153 | 7, | 135 | 25, |
| 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | 1 Property of the prop | S1673- S1678 | H-21 | PS | 55 | пР | 1945-52 | 9 | 424 | 24, | 123 | |
| Parameter (1) Parameter (2) Nat. (3) Nat. (3) Nat. (3) Parameter (3) | 9 15 </td <td>S1679</td> <td>E-19</td> <td>PS</td> <td>09</td> <td>Чn</td> <td>1941-50</td> <td>3</td> <td>240</td> <td>22,</td> <td>14</td> <td>4,</td> | S1679 | E-19 | PS | 09 | Чn | 1941-50 | 3 | 240 | 22, | 14 | 4, |
| P-17 Ing Ing <td> Part</td> <td>S1691- S1700 (See S400</td> <td>C-10</td> <td>PS</td> <td>57</td> <td>пР</td> <td>1946-47</td> <td>62</td> <td>× ×</td> <td></td> <td>7.2</td> <td>4,</td> | Part | S1691- S1700 (See S400 | C-10 | PS | 57 | пР | 1946-47 | 62 | × × | | 7.2 | 4, |
| F-17 Int 130 up 1945-48 4 32 Aug. 17, 1945 10 10 mg. 13, 1948 | F.17 Int 180 up 1845-48 4 32 Aug. 17, 1945 10 Aug. 15, 1948 6 Aug. 16, 1948 6 Aug. 16, 1948 8 Aug. 16, 1948 8 Aug. 16, 1948 8 Aug. 16, 1948 9 Aug. 17, 1948 | S1721 | D-10 | Q | 162 | пР | 1946 | 1 | 9 | Mar. 20, 1946 | | |
| F-18 Irr 84 up 194-84 4 12 Aug. 16, 1945 20 Aug. 16, 1945 20 Aug. 13, 1945 130, 28, 1948 20 Aug. 16, 1945 20 Aug. 13, 1945 130, 1945 130, 1945 130, 1945 20 Aug. 16, 1945 20 140, 154 150, 1945 20 140, 154 150, 1945 20 140, 154 150, 1945 20 140, 154 20 140, 154 20 140, 154 20 140, 154 20 140, 154 20 140, 154 20 140, 154 20 140, 154 20 140, 154 20 140, 154 20 140, 154 20 | F-18 Irr 92 up 1945-48 4 12 Ang. 16, 1946 20 July Ang. 16, 1946 20 July July Ang. 16, 1946 20 July July <td>S1776</td> <td>F-17</td> <td>Irr</td> <td>130</td> <td>пР</td> <td>1945-48</td> <td>4</td> <td>32</td> <td>17,</td> <td>10</td> <td></td> | S1776 | F-17 | Irr | 130 | пР | 1945-48 | 4 | 32 | 17, | 10 | |
| F-18 Irr 84 uP 1945-48 5 30 Aug. 16, 1945 | F-18 Irr 84 uP 1945-48 5 30 Aug. 16, 1946 5 July 1, 1946 2 July 2, 1946 2 July 2, 1946 3 July 2, 1946 2 July 2, 1946 3 July 2, 1946 3 3 3 3 3 3 4 3 4 3 4 3 4 | S1777 | F-17 | Irr | 92 | пР | 1945-48 | 4 | 12 | 28, | 8 | |
| F-18 D a uP 1945-47 4 36 Aug. 16, 1945 20 July 1, 1652 24 July 1, 1652 | F-18 | S1790 | F-18 | Irr | 84 | пР | 1945-48 | יט | 30 | 16, 16, | 20 | 13, 26, |
| G-19 Irr 113 uP 1945-52 7 42 July 7, 1952 24 July 149 149 149 14< | G-19 Irr 136 uP 1945-48 7 42 July 7, 1952 24 July Aug. F-16 Irr 136 uP 1945-48 4 16 Aug. 16, 1949 10 Aug. 16, 1949 17 Aug. 16, 1949 14 Aug. 16, 1949 16 Aug. Aug. 16, 1949 16 Aug. Aug. 16, 1949 16 Aug. Aug. Aug. | S1791 | F-18 | Q | od. | пР | 1945-47 | 4 | 36 | 16, 16, | 20 | 15, |
| F-16 Irr 136 uP 1945-48 4 16 aug. 5, 1948 10 Aug. 15, 1947 16 Aug. 15, 1947 16 Aug. 15, 1947 17 Aug. 16, 1949 17 Aug. 16, 1949 18 Aug. 18 Aug. 16, 1949 18 Aug. Aug. 18 Aug. Aug. <t< td=""><td>F-16 Irr 136 up 1945-46 4 16 4 με 9, 1948 10 4 με F-17 Irr 445 M 1945-49 10 24 Aug. 15, 1947 14 Aug. 15, 1947 14 Aug. 14, 1948 14 14 Aug. 14, 1948 14 14 Aug. 14, 1948 14 <td< td=""><td>S1818</td><td>G-19</td><td>Irr</td><td>113</td><td>dn</td><td>1945-52</td><td>7</td><td>42</td><td></td><td>24</td><td></td></td<></td></t<> | F-16 Irr 136 up 1945-46 4 16 4 με 9, 1948 10 4 με F-17 Irr 445 M 1945-49 10 24 Aug. 15, 1947 14 Aug. 15, 1947 14 Aug. 14, 1948 14 14 Aug. 14, 1948 14 14 Aug. 14, 1948 14 <td< td=""><td>S1818</td><td>G-19</td><td>Irr</td><td>113</td><td>dn</td><td>1945-52</td><td>7</td><td>42</td><td></td><td>24</td><td></td></td<> | S1818 | G-19 | Irr | 113 | dn | 1945-52 | 7 | 42 | | 24 | |
| F-17 Irr 445 M 1947-9 10 24 Aug. 15, 1947 14 Aug. 15, 1947 14 Aug. 15, 1947 15, 1947 Aug. 15, 1943 14 Aug. 15, 1948 14 Aug. 15, 1948 24 Aug. 12, 1948 15 Aug. 12, 1948 15 Aug. 12, 1948 15 Aug. 14, 1947 24 Aug. 12, 1948 15 Aug. 14, 1947 24 Aug. 12, 1948 15 Aug. 14, 1947 24 Aug. 12, 1948 16 Aug. 14, 1947 24 Aug. 12, 1948 16 Aug. 14, 1947 25 20 Sept. 16, 1949 16 Aug. 14, 1947 26 Aug. 18, 1947 26 Aug. 18, 1947 26 Aug. 18, 1948 26 Aug. 18, 1947 26 Aug. 18, 1947 26 Aug. 18, 1947 26 Aug. 18, 1947 26 Aug. 18, 1948 27 Aug. 27, 1948 28 Aug. 27, 1948 28 Aug. 27, 1948 29 Aug. 27, 1948 29 Aug. 27, 1948 | F-17 Irr 445 M 1945-49 10 24 Aug. 15, 1947 14 Aug. 15, 1947 Aug. 15, 1948 Aug. 15, 1949 | S1822 | F-16 | Irr | 136 | dп | 1945-48 | 4 | 16 | 6 | 10 | 16, 14, |
| E-9 Irr 445 M 1947-50 I 15 Aug. 14, 1947 24 Aug. 12, 1948 24 July 11, 1947 34 July 11, 1948 34 July 11, 1948 34 July 12, 1948 34 July 12, 1948 34 July 12, 1948 34 July 12, 1948 34 July 14, 1944 34 34 34 Aug. 16, 1949 34 | B-9 Irr 445 M 1947 1 15 Aug. 15, 1947 24 Aug. 14, 1947 24 Aug. 14, 1947 24 July 1949 24 July 20, 1949 24 Aug. 12, 1949 24 24 24 24 24 24 24 <th< td=""><td>S1838</td><td>F-17</td><td>Irr</td><td>133</td><td>пР</td><td>1945-49</td><td>10</td><td>24</td><td>16,</td><td>14</td><td>16,</td></th<> | S1838 | F-17 | Irr | 133 | пР | 1945-49 | 10 | 24 | 16, | 14 | 16, |
| F-17 Irr 98 uP 1945-50 6 28 Aug. 14, 1947 24 Aug. 12, 1948 15 1948 1948 15 1948 15 1948 15 1948 15 1948 15 1948 15 1948 15 1948 15 1948 15 1948 15 1948 15 1948 15 1948 15 1948 15 1948 16 1948 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 | F-16 D a uP 1945-50 11 24 Aug. 15, 1948 44 1945 July July July 1948 Pug. 16, 1949 Buly July July July July 20, 1949 Buly July | S1842 | E-9 | FI | 445 | W | 1947 | 1 | 15 | 1 | | |
| F-16 D a uP 1945-50 11 24 Aug. 30, 1949 15 July 11, 14, 14, 14, 14, 14, 14, 14, 14, 14, | F-16 D a uP 1945-50 11 24 Aug. 30, 1949 15 14 Aug. 30, 1949 15 14 Aug. 30, 1949 15 14 15 14 15 4 14 <td>S1892</td> <td>F-17</td> <td>Irr</td> <td>86</td> <td>пР</td> <td>1945-50</td> <td>9</td> <td>28</td> <td>4,2,</td> <td>24</td> <td>3,</td> | S1892 | F-17 | Irr | 86 | пР | 1945-50 | 9 | 28 | 4,2, | 24 | 3, |
| F-17 D a uP 1945-46 2 24 Aug. 22, 1945 4 July 13, 13, 13, 13, 13, 13, 13, 13, 13, 13, | F-17 D a uP 1945-46 2 24 Aug. 22, 1945 4 July 1945-96 July 25 20 Sept. 19, 1949 16 July July 1946-1949 16 July 28, 1948 16 July 1945-9 16 July 28, 1948 18 July 18 July 18 July 18 July 18 July 11 1946-19 Aug. F-17 PS 162 uP 1945-47 2 8 Aug. 18 Aug. Aug. F-17 PS 162 uP 1945-48 4 20 Aug. 11 31 Aug. F-17 PS 135 uP 1945-48 4 20 Aug. 21,1945 10 Aug. F-17 D 59 uP 1945-48 4 49 Aug. 23,1945 26 Aug. 23,1945 Aug. | S1912 | F-16 | Q | ಹ | пР | 1945-50 | 111 | 24 | 16, 30, | 15 | 11, |
| F-17 Irr 155 uP 1946-50 5 20 Sept. 19, 1949 16 July 13, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14 | F-17 Irr 155 uP 1946-50 5 20 Sept. 19, 1949 16 July 1946-48 3 26 July 28, 1948 18 July 1946-48 3 26 July 28, 1948 18 July July 18 July July <th< td=""><td>S1926</td><td>F-17</td><td>D</td><td>es</td><td>пР</td><td>1945-46</td><td>2</td><td>24</td><td>22,</td><td>4</td><td></td></th<> | S1926 | F-17 | D | es | пР | 1945-46 | 2 | 24 | 22, | 4 | |
| F-17 D a uP 1946-48 3 26 July 28, 1948 18 July 11, 11, 11, 11, 11, 11, 11, 11, 11, 11 | F-17 D a uP 1946-48 3 26 July 28, 1948 18 July July 28, 1948 1948-99 July July 28, 1948 20 July July <t< td=""><td>S1929</td><td>F-17</td><td>Irr</td><td>155</td><td>пР</td><td>1946-50</td><td>w</td><td>20</td><td>19,</td><td>16</td><td>13,</td></t<> | S1929 | F-17 | Irr | 155 | пР | 1946-50 | w | 20 | 19, | 16 | 13, |
| F-17 D a uP 1946-48 3 26 July 28, 1948 20 July 14, 1948 Hag. 14, 1948 Hag. 14, 1948 Hag. 14, 1948 Hag. 15, 1948 Hag. 15, 1948 Hag. 15, 1948 Hag. 15, 1948 Hag. 16, 1948 Hag. 17, 1948 Hag. 18, 1947 Hag. 18, 1947 Hag. 18, 1947 Hag. 18, 1948 Hag. 18, 1947 Hag. 18, 1948 Hag. 18, 1947 Hag. 18, 1948 Hag. 18, 1947 Hag. 18, 1948 Hag. 18, 1948 <th< td=""><td>F-17 D a uP 1946-48 3 26 July 28, 1948 20 July 28, 1948 20 July 28, 1947 6 Aug. F-17 PS 162 uP 1945-48 5 22 July 21, 1948 10 Aug. F-17 PS 135 uP 1945-48 4 20 Aug. 12, 1947 13 Aug. string ps uP 1945-48 4 49 Aug. 23, 1945 26 Aug.</td><td>S1930</td><td>F-17</td><td>D</td><td>ot .</td><td>пР</td><td>1946-48</td><td>3</td><td>26</td><td>28,</td><td>18</td><td>11,</td></th<> | F-17 D a uP 1946-48 3 26 July 28, 1948 20 July 28, 1948 20 July 28, 1947 6 Aug. F-17 PS 162 uP 1945-48 5 22 July 21, 1948 10 Aug. F-17 PS 135 uP 1945-48 4 20 Aug. 12, 1947 13 Aug. string ps uP 1945-48 4 49 Aug. 23, 1945 26 Aug. | S1930 | F-17 | D | ot . | пР | 1946-48 | 3 | 26 | 28, | 18 | 11, |
| E-9 Irr 488 M 1945-47 2 8 Aug. 18, 1947 6 Aug. 23, 34, 1948 F-17 PS 162 uP 1945-50 5 22 July 11, 1946 [July 27, 1948] 10 Aug. 23, 1948 F-17 PS 135 uP 1945-48 4 20 Aug. 12, 1947 13 Aug. 22, 78 F-17 D 59 uP 1945-48 4 49 Aug. 23, 1945 26 Aug. 12, 1947 | E-9 Irr 488 M 1945-47 2 8 Aug. 18, 1947 6 Aug. F-17 PS 162 uP 1945-50 5 22 July 27, 1948 10 Aug. 10 Aug. F-17 PS 135 uP 1945-48 4 20 Aug. 12, 1947 13 Aug. otnotes at end of table. D 59 uP 1945-48 4 49 Aug. 23, 1945 26 Aug. | S1931 | F-17 | Q | æ | пР | 1946-48 | 3 | 26 | 28, | 20 | 11, |
| F-17 PS 162 uP 1945-50 5 22 July 27, 1946 27, 1948 10, 17, 1948 10, 17, 1948 10, 17, 1948 10, 17, 1948 10, 1948 10, 1945-48 10, | F-17 PS 162 uP 1945-50 5 22 July 27, 1948 [July 27, 1948] 10 Aug. F-17 PS 135 uP 1945-48 4 20 Aug. 12, 1947 13 Aug. F-17 D 59 uP 1945-48 4 49 Aug. 23, 1945 26 Aug. | S1951 | E-9 | Irr | 488 | W | 1945-47 | 2 | 8 | | 9 | 25, |
| F-17 PS 135 uP 1945-48 4 20 Aug. 12, 1947 13 Aug. 22, Pug. 12, Pug. 12 | F-17 PS 135 uP 1945-48 4 20 Aug. 12, 1947 13 Aug. F-17 D 59 uP 1945-48 4 49 Aug. 23, 1945 26 Aug. othories at end of table. | S2010 | F-17 | PS | 162 | пР | 1945-50 | ນ | 22 | 27, | 10 | 23, |
| F-17 D 59 uP 1945-48 4 49 Aug. 23, 1945 26 Aug. 12, | F-17 D 59 uP 1945-48 4 49 Aug. 23, 1945 26 Aug. otnotes at end of table. Aug. 23, 1945 26 Aug. | S2017 | F-17 | PS | 135 | пР | 1945-48 | 4 | 20 | 12, | 13 | 22, |
| | See footnotes at end of table. | S2018 | F-17 | D | 59 | пР | 1945-48 | 4 | 49 | 23, | 26 | 12, |

Table 1.—Summary of chloride concentrations in well waters of Suffolk County, N. Y., 1928 - 1953—(Continued).

| : | Map | ć | ; | 69 | Period of | Number | | 4 Highest of record | Lowest | Lowest of record |
|---------------------------|----------------|-----|-----------------|-----------|-------------------|---------------|-------|--------------------------------|--------|------------------|
| Well number | Map coordi- | Use | Depth (feet) | Geologic | record (years) | of samples | (mdd) | Date | (mdd) | Date |
| S2099 | F-17 | D | ಡ | пЪ | 1945-50 | 9 | 40 | Sept. 19, 1949 | 14 | Sept. 4, 1945 |
| S2150 | G-27 | PS | 70 | пР | 1946 | 1 | 18 | Mar. 13, 1946 | | |
| S2229 | G-26 | PS | 84 | пР | 1946 | - | 35 | July 27, 1946 | | |
| S2331 | F-18 | Q | ಡ | пР | 1945-48 | 4 | 24 | July 26, 1948 | 14 | July 15, 1946 |
| S2365 | E-18 | Q | æ | пР | 1945-48 | 8 | 16 | July 17, 1946 | œ | Sept. 4, 1945 |
| S2370 | F-18 | D | ದ | пР | 1945-48 | 4 | 22 | July 30, 1948 | 15 | Aug. 23, 1945 |
| S2374 | E-18 | D | 56 | пР | 1945-46 | 2 | 12 | Aug. 21, 1945 July 17, 1946 | | |
| S2402 | F-23 | PS | 75 | пР | 1946 | 1 | 16 | Mar. 3, 1946 | | |
| S2467- S2468, S2475 | D-14 | Q | es: | пР | 1949 | 1 | 8 | Nov. 1, 1949 | | |
| S2476 | E-15 | Q | 101 | пР | 1948-53 | 8 | 12 | May 10, 1948 | 5.1 | Dec. 21, 1948 |
| S2485 | E-15 | D | 75 | пР | 1948-52 | 8 | 9 | Dec. 5, 1950 | 4 | Mar. 7, 1952 |
| S2534 | F-17 | PS | 146 | пР | 1945-48 | 4 | 30 | Aug. 12, 1947 | 18 | July 11, 1946 |
| S2570 | F-23 | PS | 06 | пР | 1946 | 1 | 16 | Mar. 3, 1946 | | |
| S2586 | F-16 | D | 146 | пP | 1945-48 | 4 | 16 | Aug. 30, 1948 | 111 | Aug. 16, 1945 |
| S2587 | F-16 | D | æ | пЪ | 1945-48 | 4 | 20 | Aug. 12, 1947 | 13 | Aug. 16, 1945 |
| S2588 | F-16 | D | æ | пР | 1946-48 | 8 | 18 | Aug. 30, 1947 | 14 | July 11, 1946 |
| S2645 | F-16 | PS | ಷ | пР | 1946-47 | 2 | 12 | July 11, 1946 | 10 | Aug. 12, 1947 |
| S2654 | F-17 | Irr | 140 | пP | 1945-48 | 4 | 30 | Aug. 13, 1947 | 19 | Aug. 18, 1945 |
| S2676 | F-19 | lrr | 59 | пP | 1948-52 | 4 | 42 | July 7, 1952 | 12 | Sept. 14, 1949 |
| S2778 | F-18 | D | œ | пР | 1945-47 | e | 20 | Aug. 12, 1947 | 15 | Aug. 17, 1945 |
| S2815 | D-16 | D | 8 | пР | 1950-52 | 3 | 12 | Mar. 3, 1950 | 9 | Nov. 21, 1952 |
| S2838 | F-18 | D | æ | пP | 1945-48 | 4 | 33 | Aug. 16, 1945 | 20 | Aug. 16, 1948 |
| S2840 | F-16 | О | ಡ | пР | 1945-48 | 8 | 15 | Aug. 14, 1947 Aug. 31, 1948 | 14 | Aug. 17, 1945 |
| S2978 (See S3012) | E-9 | PS | 271 | пР | 1946-47 | 73 | 9 | Mar. 27, 1946 | 5.2 | Sept. 3, 1947 |
| S2984 | C-10 | 0 | æ | пР | 1941-42 | 10 | 6 | Jan. 17, 1942 | 4 | Dec. 13, 1941 |
| S3002 | F-16 | D | я | пP | 1945-48 | 4 | 19 | Aug. 14, 1947 | 10 | Aug. 16, 1945 |
| S3003 | F-17 | PS | 114 | пР | 1945 | 1 | 17 | Aug. 22, 1945 | | |
| S3012 | E-9 | PS | 181 | пP | 1946-47 | 63 | 9 | Mar. 27, 1946 | 5.2 | Sept. 3, 1947 |

See footnotes at end of table.

Table 1.—Summary of chloride concentrations in well waters of Suffolk County, N. Y., 1928 - 1953—(Continued).

| Might | - | , | | | | | | | • | | | |
|--|-----------------|-----------------|-----|--------|--------|-------------------|---------|-------|----------------|--------|----------------------|------------------|
| r class (Total) Static (Total) (Total) <th< th=""><th>Wall</th><th>Map</th><th>81</th><th>77.00</th><th>80 300</th><th>Period</th><th>Number</th><th></th><th>est of record</th><th>Lowest</th><th>of record</th><th></th></th<> | Wall | Map | 81 | 77.00 | 80 300 | Period | Number | | est of record | Lowest | of record | |
| C-20 FS SS uP 1046-52 4 40 Sept. 13-1549 30 F-18 D a uP 1964-48 4 28 Aug. 15, 1946 14 C-26 FS 54 uP 1964-48 5 20 Sept. 21, 1946 14 E-18 D a uP 1964-83 5 20 Sept. 21, 1946 10 F-18 D a uP 1964-83 3 1047, 21, 1946 17 F-18 D a uP 1964-83 4 34 1047, 21, 1946 17 F-18 D a uP 1964-83 4 37 1047, 21, 1946 17 F-18 D a uP 1964-84 4 34 1047, 18, 1846 17 F-18 D a uP 1964-86 4 34 1047, 18, 1846 17 F-18 D a uP 1964-86 4 | number | roorai- nate | Use | (feet) | Source | recora (years) | samples | (mdd) | Date | (mdd) | Date | e |
| F-18 D a up 1945-46 4 29 Aug. 15, 1948 14 G-20 FS 24 194 194 1 24 104 27, 1946 10 E-18 D a up 1945-49 5 20 594, 27, 1946 10 10 E-18 D a up 1945-48 4 24 144, 30, 1948 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 17 10 | S3045 | G-20 | PS | 32 | пР | 1946-52 | 4 | 40 | Sept. 13, 1949 | 30 | Mar. 22, | 22, 1946 |
| E-18 D 4 1946 1 24 140k 27, 1946 10 27, 1946 10 27, 1946 10 27, 1946 10 28 20 Sept. 22, 1949 10 </td <td>S3046</td> <td>F-18</td> <td>Q</td> <td>œ</td> <td>пР</td> <td>1945-48</td> <td>4</td> <td>28</td> <td>16, 13,</td> <td>14</td> <td>July 16,</td> <td>1946</td> | S3046 | F-18 | Q | œ | пР | 1945-48 | 4 | 28 | 16, 13, | 14 | July 16, | 1946 |
| F-18 D a up 1945-40 5 20 Sept. 22, 1946 10 F-18 D 18 up 1945-48 4 24 1up 114, 30 1948 17 1up 1945-48 4 1up 1945-48 4 1up 1945-48 4 1up 1945-48 4 1up 1044-53 4 1up 1up 1945-48 4 1up 1up </td <td>S3062</td> <td>G-26</td> <td>PS</td> <td>54</td> <td>пР</td> <td>1946</td> <td>-</td> <td>24</td> <td>1</td> <td></td> <td></td> <td></td> | S3062 | G-26 | PS | 54 | пР | 1946 | - | 24 | 1 | | | |
| F-18 D 4 1945-45 4 24 1407 301, 1948 17 1947 301, 1948 17 1949 17 1849 17 1849 17 1849 <td>83069</td> <td>E-18</td> <td>Q</td> <td>ಪ</td> <td>пР</td> <td>1945-49</td> <td>ъ</td> <td>20</td> <td>Sept. 22, 1949</td> <td>10</td> <td>Aug. 14,</td> <td>1947</td> | 83069 | E-18 | Q | ಪ | пР | 1945-49 | ъ | 20 | Sept. 22, 1949 | 10 | Aug. 14, | 1947 |
| E-15 D 1435 3 7 Dec. 15, 1950 4 F-18 D a u 1915-48 4 34 July 15, 1946 23 F-18 D a u 1915-48 4 17 Aug. 21, 1946 14 E-18 D 55 u P 1945-48 2 10 Aug. 21, 1945 14 E-18 D 55 u P 1945-48 2 10 Aug. 21, 1945 14 F-18 D 91 u 1945-48 1 23 Aug. 21, 1945 1 F-19 D 10 m 1945-48 4 30 Aug. 41, 1947 18 F-17 Irr a u 1946-48 1 23 Aug. 41, 1946 18 F-18 D 10 a u 1946-48 4 30 Aug. 41, 1946 18 F-18 D a u 1946-48 | S3090 | F-18 | D | æ | пР | 1945-48 | 4 | 24 | 30, | 17 | Aug. 18, | 1945 |
| F-18 D a up 1945-48 4 34 July 15, 1946 23 F-18 D a up 1954-48 4 17 Aug. 21, 1945 14 B-18 PS up 1945-33 3 6 July 16, 1651 5 14 B-18 D 35 up 1945-46 2 10 Aug. 21, 1945 8 F-18 D 106 M 1943 1 30 Aug. 1, 1945 8 F-17 Irr 100 up 1945 1 30 Aug. 14, 1947 18 C-26 P3 up 1945 1 20 Aug. 14, 1947 18 F-18 D 4 1945 4 12 Aug. 14, 1947 18 F-18 D 4 1945 4 12 Aug. 14, 1947 18 E-10 D 4 1945 4 12 Aug. 14, 1947 <t< td=""><td>S3197</td><td>E-15</td><td>D</td><td>135</td><td>пР</td><td>1948-53</td><td>9</td><td>7</td><td>15,</td><td>4</td><td>Jan. 9,</td><td>1953</td></t<> | S3197 | E-15 | D | 135 | пР | 1948-53 | 9 | 7 | 15, | 4 | Jan. 9, | 1953 |
| F-18 D a uP 1945-49 4 17 Aug. 23, 1945 14 B-15 PS 65 uP 1945-46 2 10 Aug. 21, 1945 5 B-18 D 55 uP 1945-46 2 10 Aug. 21, 1945 8 F-18 D 166 M 1945-46 1 23 Aug. 14, 1947 18 F-17 Irr 160 M 1945-48 4 30 Aug. 14, 1947 18 C-20 Irr 160 M 1945-48 4 30 Aug. 14, 1947 18 C-20 Irr a uP 1945-48 4 30 Aug. 14, 1947 18 C-20 Irr a uP 1945-48 4 112 Aug. 13, 1946 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 < | S3277 | F-18 | D | æ | пР | 1945-48 | 4 | 34 | 15, | 23 | Aug. 18, | 1945 |
| E-15 PS 65 uP 1945-53 3 6 July 16, 1951 5 E-18 D 55 uP 1945-46 2 10 Aug. 21, 1945 8 F-18 D 59 uP 1945-48 1 23 Aug. 21, 1945 8 F-17 Irr 100 M 1943 1 23 Aug. 14, 1947 18 F-17 Irr a uP 1945-48 4 30 Aug. 14, 1947 18 G-20 Irr a uP 1945-48 4 30 Aug. 14, 1947 18 G-20 Irr a uP 1945-48 4 112 Aug. 14, 1947 18 F-18 D a uP 1945-48 4 4 Aug. 23, 1945 28 F-18 D a uP 1945-48 4 Aug. 23, 1945 28 H-21 B uP 1946-48 1 2 | S3278 | F-18 | D | æ | пР | 1945-48 | 4 | 17 | 23, | 14 | July 16, July 30, | 1946 1948 |
| F-18 D 55 uP 1945-46 2 10 Aug. 21, 1945 8 F-18 D 91 uP 1945 1 23 Aug. 2, 1945 8 F-19 D 106 M 1945-48 4 36 Aug. 1, 1946 18 F-17 Irr 160 uP 1945-48 1 26 Aug. 14, 1946 18 G-20 Irr a uP 1945-48 1 26 Sept. 14, 1946 18 G-20 F-8 111 uP 1945-48 4 12 Aug. 13, 1946 28 F-18 D a uP 1945-48 4 40 Aug. 23, 1946 28 F-18 D a uP 1945-48 4 40 Aug. 23, 1946 28 F-19 D a uP 1945-48 4 40 Aug. 23, 1946 28 H-21 PS a uP 1946-58 </td <td>S3405</td> <td>E-15</td> <td>PS</td> <td>65</td> <td>пР</td> <td>1948-53</td> <td>8</td> <td>9</td> <td>16,</td> <td>r.</td> <td>Jan. 15,</td> <td>1953</td> | S3405 | E-15 | PS | 65 | пР | 1948-53 | 8 | 9 | 16, | r. | Jan. 15, | 1953 |
| F-18 D 91 uP 1945 1 23 Aug. 2, 1945 2, 1945 F-7 D 106 M 1943 1 35 Mar. 12, 1943 1845 1 36 Aug. 14, 1947 18 G-20 Irr a uP 1946 1 26 Sept. 14, 1947 18 G-26 PS 111 uP 1946-48 4 112 Aug. 23, 1945 28 F-18 D 75 uP 1945-48 4 112 Aug. 23, 1945 28 E-10 D a uP 1945-48 4 | S3418 | E-18 | D | 35 | dn | 1945-46 | 2 | 10 | 21, | œ | July 17, | 1946 |
| F-9 D 106 M 1945-48 4 36 Mar. 12, 1943 18 G-20 Irr 160 uP 1945-48 4 30 Aug. 14, 1947 18 G-20 Irr a uP 1945-48 1 26 Sept. 14, 1946 18 G-26 PS 111 uP 1945-48 4 112 Aug. 23, 1945 28 F-18 D 75 uP 1945-48 4 112 Aug. 23, 1945 28 F-18 D 466 M 1946-48 4 4 Aug. 27, 1946 28 G-26 PS 70 uP 1946-48 1 28 Mr. 27, 1946 30 H-21 PS a uP 1946-52 5 28 Aug. 25, 1946 27 H-21 BS a uP 1948-50 2 28 Aug. 16, 1948 34 F-17 BS a uP | S3487 | F-18 | Q | 91 | пР | 1945 | 1 | 23 | 2, | | | |
| F-17 Irr 160 uP 1945-48 4 30 Aug. 14, 1947 18 G-20 Irr a uP 1948 1 26 Sept. 14, 1946 18 G-20 Irr a uP 1946 1 30 Mar. 13, 1946 28 F-18 D a uP 1945-48 4 40 Aug. 23, 1945 28 F-18 D 466 M 1946 1 12 Aug. 23, 1946 30 G-26 PS 70 uP 1946 1 28 Mar. 13, 1946 27 H-21 PS a uP 1946-50 2 28 Aug. 25, 1949 27 F-18 Irr a uP 1948-50 2 28 Aug. 6, 1948 27 F-17 D 16 uP 1946-48 3 20 Aug. 6, 1948 18 F-17 D 16 uP 1946-48 | S3554 | F-9 | D | 106 | W | 1943 | 1 | 35 | 12, | | | |
| G-26 Ir a uP 1948 1 26 Sept. 14, 1946 G-26 PS 111 uP 1946 1 30 Mar. 13, 1946 28 F-18 D a uP 1945-48 4 112 Aug. 23, 1945 28 F-18 D a uP 1945-48 4 40 Aug. 23, 1945 28 E-10 D 466 M 1946 1 2 Aug. 27, 1946 30 G-26 PS a uP 1946 1 2 Aug. 13, 1946 2 H-21 PS a uP 1946-50 5 30 July 27, 1946 2 F-17 D a uP 1946-50 5 2 Aug. 16, 1948 2 F-17 D a uP 1946-48 3 Aug. 13, 1948 34 F-17 b a uP 1945-48 4 66 Ju | S3570 | F-17 | Irr | 160 | dn | 1945-48 | 4 | 30 | 14, | 18 | Aug. 21, July 16, | 1945 1946 |
| G-26 PS 111 uP 1946 1 30 Mar. 13, 1946 28 F-18 D 75 uP 1945-48 4 112 Aug. 23, 1945 28 F-18 D 466 M 1945-48 4 40 Aug. 23, 1948 30 G-26 PS 70 uP 1946 1 28 Mar. 13, 1946 30 H-21 PS a uP 1946-50 2 28 Mar. 13, 1946 27 H-21 PS a uP 1946-50 2 28 Aug. 25, 1949 27 F-17 D a uP 1946-48 3 20 Aug. 16, 1948 3 F-17 D a uP 1946-48 3 20 Aug. 16, 1948 18 F-17 Irr 90 uP 1946-48 4 66 July 29, 1948 18 F-17 Irr a uP 1946-48 </td <td>S3588- S3589</td> <td>G-20</td> <td>Irr</td> <td>æ</td> <td>пЪ</td> <td>1948</td> <td>1</td> <td>26</td> <td>Sept. 14, 1946</td> <td></td> <td></td> <td></td> | S3588- S3589 | G-20 | Irr | æ | пЪ | 1948 | 1 | 26 | Sept. 14, 1946 | | | |
| F-18 D 75 uP 1945-48 4 112 Aug. 23, 1945 28 F-18 D a uP 1945-48 4 40 Aug. 23, 1945 30 E-10 D 466 M 1946 1 2 Mar. 27, 1946 30 G-26 PS 70 uP 1946-5 5 30 July 7, 1946 2 H-21 PS a uP 1946-50 2 28 Aug. 16, 1948 27 F-18 Irr a uP 1946-48 3 20 Aug. 16, 1948 27 F-17 D a uP 1946-48 3 20 Aug. 16, 1948 12 F-17 Irr 90 uP 1946-48 3 20 Aug. 16, 1948 18 F-17 Irr 90 uP 1945-48 4 66 July 29, 1948 18 F-17 Irr a uP 1945-48< | \$3615 | G-26 | PS | 111 | пР | 1946 | 1 | 30 | 13, | | | |
| F-18 D 466 M 1945-48 4 40 Aug. 30, 1948 30 G-26 PS 466 M 1946 1 28 Mar. 13, 1946 7 H-21 PS a UP 1949-52 5 30 July 7, 1950 22 H-21 PS a UP 1949-50 2 28 Aug. 15, 1949 27 F-18 Ir a UP 1946-48 3 20 Aug. 16, 1948 27 F-17 D a UP 1946-48 3 20 Aug. 16, 1948 12 F-17 D a UP 1946-48 3 20 Aug. 16, 1948 12 F-17 D a UP 1946-48 4 66 July 20, 1948 18 F-17 D uP 1945-48 4 66 July 20, 1948 18 F-17 uP uP 1945-48 4 66 | S3627 | F- 18 | D | 75 | пР | 1945-48 | 4 | 112 | 23, | 28 | July 10, Aug. 12, | 1946 1947 |
| B-10 D 466 M 1946 1 12 Mar. 27, 1946 G-26 PS 70 uP 1949-52 5 30 July 7, 1950 22 H-21 PS a uP 1949-50 2 28 Aug. 25, 1949 27 F-18 Irr a uP 1946-48 1 25 Aug. 15, 1948 27 F-17 D a uP 1946-48 3 20 Aug. 12, 1947 12 F-17 Irr 90 uP 1945-48 4 66 July 29, 1948 34 F-17 Irr 10 uP 1945-48 4 66 July 29, 1948 18 F-17 Irr 10 uP 1945-48 4 66 July 29, 1948 18 G-20 Irr a uP 1945-48 4 66 July 29, 1948 18 G-20 Irr a uP 1945- | S3634 | F-18 | Q | ಷ | пР | 1945-48 | 4 | 40 | 30, | 30 | Aug. 23, | 1945 |
| G-26 PS 70 uP 1946-5 1 28 Mar. 13, 1946 22 H-21 PS a uP 1949-50 2 28 Aug. 25, 1949 27 H-21 PS a uP 1946-48 1 25 Aug. 16, 1948 27 F-17 D 116 uP 1946-48 3 20 Aug. 12, 1947 12 F-17 D 116 uP 1945-48 4 66 July 29, 1948 34 F-17 Irr 90 uP 1945-49 9 30 Aug. 10, 1948 18 F-17 Irr 10 uP 1945-49 9 30 Aug. 13, 1948 18 G-20 Irr a uP 1945-49 9 30 Aug. 13, 1948 18 G-20 Irr a uP 1945-48 4 20 Aug. 13, 1948 18 G-20 Irr a uP <t< td=""><td>S3639</td><td>E-10</td><td>D</td><td>466</td><td>W</td><td>1946</td><td>1</td><td>12</td><td>27,</td><td></td><td></td><td></td></t<> | S3639 | E-10 | D | 466 | W | 1946 | 1 | 12 | 27, | | | |
| H-21 PS a uP 1949-52 5 30 July 9, 1950 3, 1950 3 22 H-21 PS a uP 1949-50 2 28 Aug. 15, 1949 25, 1949 3 27 7 F-18 Ir a uP 1946-48 3 20 Aug. 15, 1947 3 12 F-17 D 116 uP 1945-48 4 66 July 29, 1948 3 34 F-17 Ir 90 uP 1945-48 4 20 Aug. 10, 1948 18 18 F-17 Ir a uP 1945-48 4 20 Aug. 13, 1948 18 18 G-20 Ir a uP 1945-48 4 20 Aug. 13, 1948 18 18 G-20 Ir a uP 1945-48 1 35 Sept. 13, 1948 18 18 G-20 Province Ir a uP 1946 1 20 Aug. 13, 1948 18 18 G-20 | S3658 | G-26 | PS | 07 | пР | 1946 | 1 | 28 | . 13, | | | |
| H-21 PS a uP 1949-50 2 28 Aug. 25, 1949 27 F-18 Irr a uP 1948-50 1 25 Aug. 16, 1948 12 F-17 D 116 uP 1945-48 4 66 July 29, 1948 34 F-17 Irr 90 uP 1945-49 9 30 Aug. 13, 1948 18 F-17 Irr 10 uP 1945-48 4 20 Aug. 13, 1947 18 G-20 Irr a uP 1945-48 1 30 Aug. 13, 1948 18 G-20 Irr a uP 1945-48 1 30 Aug. 13, 1948 18 G-20 Fr 17 Irr uP 1946 1 35 Sept. 13, 1946 1 | S3697 | H-21 | PS | os. | пР | 1949-52 | z. | 30 | 6,6 | 22 | Aug. 25, | 1949 |
| F-18 Irr a uP 1946-48 1 25 Aug. 16, 1948 12 F-17 D a uP 1946-48 3 20 Aug. 12, 1947 12 F-17 D 116 uP 1945-48 4 66 July 29, 1948 34 F-17 Irr 90 uP 1945-49 9 30 Aug. 10, 1948 18 F-17 Irr a uP 1945-48 4 20 Aug. 13, 1948 18 G-20 Irr a uP 1948 1 35 Sept. 13, 1948 18 G-26 PS 71 uP 1946 1 28 Mar. 13, 1946 1 | 83698 | H-21 | PS | æ | пР | 1949-50 | 2 | 28 | 25, | 27 | July 7, | , 1950 |
| F-17 D a uP 1946-48 3 20 Aug. 4, 1947 4, 1948 4, 1948 12 F-17 D 116 uP 1945-48 4 66 July 29, 1948 34 34 F-17 Irr 90 uP 1945-49 9 30 Aug. 10, 1948 18 18 F-17 Irr 10 uP 1945-48 4 20 Aug. 13, 1947 18 18 G-20 Irr a uP 1948 1 1 35 Sept. 13, 1948 18 1 G-26 PS 71 uP 1946 1 1 28 Mar. 13, 1946 18 1 | S3705 | F-18 | Irr | et | пР | 1948 | 1 | 25 | 16, | | | |
| F-17 D 116 uP 1945-48 4 66 July 29, 1948 34 F-17 Irr 10 uP 1945-49 9 30 Aug. 10, 1948 18 F-17 Irr uP 1945-48 4 20 Aug. 13, 1947 18 G-20 Irr a uP 1948 1 35 Sept. 13, 1948 G-26 PS 71 uP 1946 1 28 Mar. 13, 1946 | S3716 | F-17 | D | æ | пР | 1946-48 | 9 | 20 | 12,4 | 12 | July 10, | 1946 |
| F-17 Irr 90 uP 1945-49 9 30 Aug. 10, 1948 18 F-17 Irr 110 uP 1945-48 4 20 Aug. 13, 1947 18 G-20 Irr a uP 1948 1 35 Sept. 13, 1948 G-26 PS 71 uP 1946 1 28 Mar. 13, 1946 | S3720 | F-17 | D | 116 | пР | 1945-48 | * | 99 | 29, | 34 | July 11, | 1946 |
| F-17 Irr 110 uP 1945-48 4 20 Aug. 13, 1947 18 G-20 Irr a uP 1948 1 35 Sept. 13, 1948 G-26 PS 71 uP 1946 1 28 Mar. 13, 1946 | S3721 | F-17 | Irr | 06 | пР | 1945-49 | 6 | 30 | 10, | 18 | July 16, | , 1946 |
| G-20 Irr a uP 1948 1 35 Sept. 13, G-26 PS 71 uP 1946 1 28 Mar. 13, | S3722 | F-17 | Irr | 110 | пР | 1945-48 | 4 | 20 | 13, | 18 | Aug. 21, July 16, | , 1945 , 1946 |
| G-26 PS 71 uP 1946 1 28 Mar. 13, | S3723 | G-20 | Iri | æ | пР | 1948 | 1 | 35 | 13, | | | |
| | S3725 | G-26 | PS | 7.1 | пP | 1946 | ī | 28 | 13, | | | |

Table 1.—Summary of chloride concentrations in well waters of Suffolk County, N. Y., 1928 - 1953—(Continued).

| Well | Map coordi- | હ્ય | Devth | 3 Geologic | Period of record | Number of | | Highest of record | Lowest of record | record |
|--------------------------------|----------------|-----|--------|---------------|------------------------|--------------|-------|---|------------------|--------------------------------|
| number | nate | Use | (feet) | source | (years) | samples | (mdd) | Date | (mdd) | Date |
| S3726 | G-26 | PS | 70 | пР | 1946 | 1 | 28 | Mar. 13, 1946 | | |
| S3764 | F-18 | Irr | 54 | пР | 1946-48 | 3 | 40 | Aug. 13, 1947 | 28 | July 18, 1946 July 26, 1948 |
| S3765 | F-17 | Irr | 54 | пР | 1945-48 | 3 | 28 | Aug. 4, 1948 | 18 | Aug. 21, 1945 |
| S3766 | F-18 | Д | æ | пР | 1945-46 | 2 | 24 | July 16, 1946 | 11 | Aug. 21, 1945 |
| S3767 | F-17 | Irr | 74 | пР | 1945-48 | 4 | 22 | July 28, 1948 | 17 | Aug. 21, 1945 |
| S3768 | F-18 | F | 83 | пР | 1947 | 1 | 30 | Aug. 14, 1947 | | |
| S3779 | F-19 | Irr | æ | пР | 1948 | 1 | 24 | Aug. 16, 1948 | | |
| S3789 | F-17 | Irr | es . | пР | 1946-47 | 7 | 30 | July 11, 1946 | 22 | Aug. 12, 1947 |
| S3800 | E-10 | PS | 170 | пР | 1946 | 1 | 10 | Mar. 15, 1946 | | |
| S3813- S3815 | C-12 | PS | ಹ | пР | 1946-47 | 0 | œ | Mar. 14, 1946 | 5.6 | Sept. 4, 1947 |
| S3824 | F-18 | Irr | æs | пР | 1945-49 | rv | 30 | Aug. 12, 1947 | 26 | July 10, 1946 |
| S3831 | D-11 | Q | 876 | W | 1946 | 1 | 9 | Mar. 20, 1946 | | |
| S3832 | D-11 | Q | 779 | W | 1946 | 1 | w | Mar. 20, 1946 | | |
| S3835 | D-11 | Q | 843 | W | 1946 | 1 | 9 | Mar. 20, 1946 | | |
| S3845 | F-17 | D | æ | пP | 1945-48 | 4 | 29 | Aug. 11, 1948 | 18 | Aug. 15, 1945 |
| S3876 | F-18 | Irr | 78 | пP | 1945-47 | 3 | 56 | July 16, 1946 | 20 | Aug. 21, 1945 |
| S3878 | F-17 | Irr | 98 | пР | 1946-48 | e | 20 | July 16, 1946 Aug. 14, 1947 Aug. 16, 1948 | | |
| S3941 | E-16 | Irr | g | пР | 1945-48 | 4 | 25 | Aug. 15, 1945 | 18 | July 17, 1946 |
| S3958 | F-17 | Irr | 110 | пР | 1945-48 | 4 | 20 | Aug. 14, 1947 July 30, 1948 | 18 | Aug. 18, 1945 July 17, 1946 |
| S3966 | F-19 | Irr | æ | пР | 1948-52 | 6 | 23 | Sept. 3, 1948 | 17 | July 12, 1949 |
| S3980- S4002 | D-13 | PS | 63 | чP | 1946 | 1 | 18 | Mar. 13, 1946 | | |
| 34003- S4022 (See S1691) | C-10 | PS | 55 | пЪ | 1946-47 | 0 | œ | Mar. 13, 1946 | 7.2 | Sept. 4, 1947 |
| S4025 | F-18 | D | ಚ | пР | 1945-48 | 4 | 30 | Aug. 15, 1947 | 20 | July 12, 1946 |
| S4027 | G-19 | Irr | od . | пР | 1945-48 | 4 | 38 | Sept. 4, 1945 | 28 | July 17, 1946 Aug. 16, 1948 |
| S4028 | C-10 | PS | 20 | пЪ | 1946 | 1 | 12 | Mar. 13, 1946 | | |
| S4031 (See S4831) | C-10 | PS | ಪ | пЬ | 1947 | 1 | 6.2 | Sept. 29, 1947 | | |

See footnotes at end of table.

Table 1.—Summary of chloride concentrations in well waters of Suffolk County, N. Y., 1928 - 1953—(Continued).

| | Man | | | m | Perioa of | Number | | Highest of record | Lowest of | f record | |
|-----------------|-----------------|----------|----------------|--------------------|-------------------|---------------|-------|--------------------------------|-------------|----------------------|----------------------------------|
| Well number | coordi- nate | z Use | Depth $(feet)$ | Geologic source | record (years) | of samples | (bbm) | Date | Cl (bbm) | - 11 | Date |
| S4038- S4043 | D-18 | SS | 46 | пР | 1947 | 1 | 80. | Sept. 4, 1947 | | | |
| (See S137) | | 1-1 | 172 | q. | 1946-48 | 2 | 26 | July 27, 1948 | 16 | July | 11, 1946 |
| 24066 | F-17 | <u></u> | es | d'h | 1946-48 | 3 | 30 | Aug. 3, 1948 | 25 | Aug. | 13, 1947 |
| S4067 | F-17 | Irr | æ | пР | 1945-48 | 4 | 26 | July 27, 1948 | 20 | Aug. | 14, 1947 |
| S4068 | F-17 | Irr | ಹ | пР | 1945-48 | 4 | 40 | Aug. 18, 1945 | 30 | July Aug. Aug. | 16, 1946 13, 1947 3, 1948 |
| S4077 | F-17 | Irr | æ | пР | 1945-48 | m | 22 | July 17, 1946 Aug. 11, 1948 | 20 | Aug. | 15, 1945 |
| 84078 | F-17 | Irr | cd | ЧP | 1945-48 | 3 | 24 | Aug. 11, 1948 | 9 | July | 17, 1946 |
| S4079 | F-18 | Irr | æ | пЪ | 1945-48 | 9 | 26 | July 30, 1948 | 25 | Aug. | 18, 1945 15, 1947 |
| S4080 | F-17 | Irr | 70 | пР | 1946-48 | 9 | 22 | July 17, 1946 | 12 | Aug. | 11, 1948 |
| S4081 | F-19 | Irr | 1117 | пР | 1945-48 | 4 | 36 | Aug. 16, 1948 | 27 | Aug. | 22, 1945 |
| S4082 | F-18 | Irr | g | пЪ | 1945-49 | R | 28 | Sept. 1, 1949 | 22 | July | 16, 1946 |
| \$4083 | F-16 | Irr | æ | пР | 1945-48 | 4 | 20 | Aug. 14, 1947 | 6 | Aug. | 15, 1945 |
| S4084 | F-18 | In | 09 | пР | 1945-47 | 8 | 34 | Aug. 17, 1945 | 10 | July | 11, 1946 |
| S4086 | F-17 | Irr | æ | пР | 1946-48 | e | 26 | July 28, 1948 | 18 | July Aug. | 16, 1946 14, 1947 |
| S4087 | F-17 | lr. | 117 | пР | 1945-48 | 4 | 28 | Aug. 10, 1948 | 16 | July | 17, 1946 |
| \$4088 | F-17 | Irr | 111 | пР | 1945-48 | 4 | 30 | Aug. 10, 1948 | 20 | Aug. | 15, 1945 |
| S4089 | F-17 | lrr | 28 | пР | 1945-48 | 4 | 25 | Aug. 13, 1947 | 19 | Aug. | 21, 1945 |
| S4090 | F-17 | Irr | 113 | dn | 1945-48 | 4 | 30 | Aug. 21, 1945 | 11 | Aug. | 14, 1947 |
| S4091 | G-20 | Irr | 45 | пР | 1945-52 | 7 | 918 | July 9, 1952 | 24 | Sept. | 5, 1945 |
| S4091R | G-20 | Irr | 45 | пР | 1953 | 1 | 34 | July 25, 1953 | | | |
| S4097 | F-17 | Irr | 140 | чP | 1945-48 | 4 | 23 | Aug. 4, 1948 | 18 | Aug. July Aug. | 21, 1945 11, 1946 12, 1947 |
| S4105- S4106 | E-12 | PS | 89 | пР | 1946 | 1 | 20 | Mar. 7, 1946 | | | |
| S4112 | D-8 | Q | 84 | пР | 1946 | 1 | 9 | Mar. 28, 1946 | | | |
| S4116 | F-18 | Irr | 124 | пР | 1945-48 | 4 | 30 | Sept. 1, 1948 | 24 | July | 10, 1946 |
| S4122 | F-18 | Irr | 98 | пP | 1945-48 | 9 | 30 | July 26, 1948 | 16 | Aug. | 16, 1945 |
| S4123 | F-18 | lrr | 69 | чP | 1945-53 | 9 | 30 | Sept. 2, 1948 July 1, 1953 | 22 | July July | 18, 1946 10, 1952 |

See footnotes at end of table.

Table 1.—Summary of chloride concentrations in well waters of Suffolk County, N. Y., 1928-1953—(Continued).

| William William Condition Anne in the condition | | | | | | | | | • | | • | |
|--|--------|------------------------|------|--------|---------------|------------------|--------------|-------|----------------|--------|--------------|----------------------|
| 1. 1. 1. 1. 1. 1. 1. 1. | Well | Map coordi- note | 22 | Depth | s Geologic | Period of record | Number of | ì | est of record | Lowest | 1 | Date |
| 1 F.17 Irr 73 up 1945-44 4 20 Aug. 10,1648 19 Aug. 10,1648 9 Aug. 10,1649 9 | | 27011 | O Se | (Jeet) | source | (years) | samples | (mdd) | Date | (mdd) | İ | |
| 5 H.7. Hr. 99 u.p 1945-49 4 12 Aug. 5, 1648 9 Aug. 15, 1648 9 Aug. 15, 1649 9 Aug. 15 | S4124 | F-17 | Irr | 73 | пP | 1945-48 | 4 | 20 | 10, | 13 | Aug. | 15, 1945 |
| Fig. 1 O 225 M 1917 O 36 Aug. 15, 1947 O 36 Aug. 15, 1947 O 1945 O 19 | S4125 | F-17 | Пт | 96 | пР | 1945-48 | 4 | 12 | ις | 6 | Aug. | 23, 1945 |
| H-21 | S4134T | F-17 | 0 | 225 | M | 1947 | 1 | œ | 15, | | | |
| F-19 | S4135 | H-21 | Irr | 70 | пР | 1948-52 | 10 | 36 | | 24 | July July | 18, 1949 |
| F-11 D 190 uP 1947 1 3.6 Sept. 10, 1947 1 2 1 1 1 1 1 2 2 1 1 <td>S4143</td> <td>F-19</td> <td>Irr</td> <td>45</td> <td>пР</td> <td>1946-48</td> <td>8</td> <td>26</td> <td>6</td> <td>22</td> <td>1</td> <td>18, 1946 13, 1947</td> | S4143 | F-19 | Irr | 45 | пР | 1946-48 | 8 | 26 | 6 | 22 | 1 | 18, 1946 13, 1947 |
| G-20 PS 45 up 1949-52 3 134 july 9, 1652 36 july 6, 1652 36 july 6, 1652 36 july 25, 1645 2 july 2 2 2 july <th< td=""><td>S4145</td><td>B-11</td><td>Q</td><td>190</td><td>пР</td><td>1947</td><td>1</td><td>3.6</td><td>5,</td><td></td><td></td><td></td></th<> | S4145 | B-11 | Q | 190 | пР | 1947 | 1 | 3.6 | 5, | | | |
| F-17 Irr 83 uP 1948-50 3 30 Sept. 16, 1949 25 July 28, 1843 2 July 28, 1843 Puly 1848 Puly 1848 Puly 28, 1843 Puly 28, 1843 </td <td>S4163</td> <td>G-20</td> <td>PS</td> <td>45</td> <td>пР</td> <td>1949-52</td> <td>е</td> <td>134</td> <td>6</td> <td>36</td> <td></td> <td>11, 1950</td> | S4163 | G-20 | PS | 45 | пР | 1949-52 | е | 134 | 6 | 36 | | 11, 1950 |
| P-15 Irr 11 up 1947-48 2 12 Akig 2, 1948 F-16 D a up 1948 1 17 Sept. 2, 1948 B-16 Irr 72 up 1948 1 17 Sept. 2, 1948 1 1948 G-20 Irr 75 up 1945-48 1 10 Sept. 2, 1948 2 July 11, 1948 F-18 Irr 48 up 1945-48 4 30 Sept. 1, 1948 28 July 11, 1948 F-19 Irr 67 up 1945-48 1 2 Sept. 1, 1948 28 July 11, 1948 F-19 Irr 90 up 1947-48 2 Sept. 4, 1945 20 July 11, 1948 F-16 Irr 130 up 1948 1 1 Aug. 30, 1948 10 Aug. 13, 1948 F-16 Irr 12 1 1 Aug. 24, 1948 1 Aug. 24, 1948 1 <td>S4194</td> <td>F-17</td> <td>Irr</td> <td>83</td> <td>пР</td> <td>1948-50</td> <td>8</td> <td>30</td> <td>. 16,</td> <td>25</td> <td></td> <td>13, 1950</td> | S4194 | F-17 | Irr | 83 | пР | 1948-50 | 8 | 30 | . 16, | 25 | | 13, 1950 |
| F-19 D a uP 1945 1 10 Sept. 2, 1948 E-16 Irr 72 uP 1945-53 8 36 1019 Sept. 2, 1948 G-18 Irr 49 1945-53 8 36 Sept. 1, 1948 28 July 1945 F-13 Irr 67 uP 1945-49 1 28 Sept. 1, 1948 20 July 1941 F-13 Irr 67 uP 1947 1 2 Sept. 4, 1945 20 July 1941 F-16 Irr 67 uP 1945 1 2 Sept. 4, 1945 20 July 1941 F-16 Irr 80 uP 1945 1 2 Sept. 4, 1948 10 Aug. 13 F-16 Irr 190 uP 1945 1 2 Aug. 20, 1948 10 Aug. 13 F-16 Irr 18 1945 1 1 Aug. 20, 1948 10 Aug. 20, 1948< | S4195 | D-15 | Irr | 71 | пР | 1947-48 | 61 | 12 | | | | |
| B-16 Irr 72 uP 1945-53 8 36 10f 9, 1982 25 1uly 11, 1948 F-18 Irr 48 196-548 8 36 10f 9, 1982 25 1uly 11, 1948 F-19 Irr 48 196-548 4 30 Sept. 3, 1948 28 1uly 14, 1948 28 1uly 14, 1948 1uly 14, 1948 1uly 14, 1948 28< | S4231 | F-19 | D | ಜ | пР | 1948 | - | 17 | | | | |
| G-20 lir 40 up 1945-83 8 36 July 9, 1952 25 July 10 F-18 lir 48 up 1945-48 4 30 Sept. 1, 1945 28 July 15, 1945 10 July 15, 1945 10 July 15, 1945 28 July 16, 1945 10 July 17, 1945 28 July 16, 1945 10 July 17, 1945 28 July 17, 1945 38 July 17, 1945 | S4237 | E-16 | Irr | 72 | пЪ | 1948 | 1 | 10 | | | | |
| F-19 Irr 48 uP 1945-48 4 30 Sept. 8, 1945 28 July 13, 1948 1945 18, 1948 1 28 Sept. 1, 1948 1 1 1 1 1 1 1 2 Sept. 10, 1947 1 | S4239 | G-20 | Irr | 70 | uP | 1945-53 | œ | 36 | | 25 | | 11, 1950 |
| F-19 Irr 67 uP 1948 1 5 Sept. 10, 1947 3, 1948 7 Aug. 17, 1947 1 2 Sept. 10, 1947 1 4 14, 14, 14, 14, 14, 14, 14, 14, 14, 14, | S4240 | F-18 | Irr | 48 | пР | 1945-48 | 4 | 30 | | 28 |] . | 6, 1946 |
| F-13 PS 100 uP 1947-49 1 Sept. 10, 1947 1945 20 30 Sept. 1, 1945 20 July 17, 17, 1745 Aug. 13, 1945 101 July 17, 17, 1748 1 4 4 1 4 4 1 4 4 1 4 4 1 4 4 1 4 | S4352 | F-19 | Irr | 67 | пР | 1948 | 1 | 28 | | | 4 | |
| G-16 Irr 52 uP 1945-49 5 30 Sept. 4, 1945 20 July 1.3 F-16 Irr 100 uP 1948 1 21 Aug. 11, 1948 10 Aug. 13, 1948 F-16 Irr 130 uP 1947-48 2 12 Aug. 30, 1948 10 Aug. 11, 1948 10 Aug. 11, 1948 10 Aug. 11, 1948 10 Aug. 11, 1948 10 Aug. 14, | S4372 | F-13 | PS | 100 | пР | 1947 | 1 | ro | | | | |
| F-16 Irr 90 uP 1945 1 21 Aug. 10,4948 10 Aug. 30,1948 10 Aug. 15,1948 10 Aug. 20,1948 10 Aug. 30,1948 10 Aug. 30,1948 Aug. <td>S4413</td> <td>G-19</td> <td>Iп</td> <td>52</td> <td>пР</td> <td>1945-49</td> <td>ιņ</td> <td>30</td> <td></td> <td>20</td> <td>1</td> <td></td> | S4413 | G-19 | Iп | 52 | пР | 1945-49 | ιņ | 30 | | 20 | 1 | |
| F-16 Irr 130 uP 1947-48 2 12 Aug. 30, 1948 10 Aug. 15, 1948 10 Aug. 15, 1948 10 Aug. 15, 1948 1 18 Aug. 30, 1948 1 18 1 2 Aug. 30, 1948 24 Aug. 15, 1948 24 Sept. 14, 1948 24 Aug. 15, 1948 24 Sept. 14, 1948 24 | S4415 | F-16 | 냽 | 06 | пР | 1948 | 1 | 21 | Aug. 11, 1948 | | | |
| F-17 Irr a uP 1948 1 18 Aug. 5, 1948 7 18 Aug. 30, 1948 7 18 Aug. 30, 1948 7 18 4 18 4 30, 1948 8 8 8 8 8 9 9 948 1 30 Sept. 3, 1948 8 8 8 8 8 8 8 8 9 9 948-50 8 8 9 <t< td=""><td>S4416</td><td>F-16</td><td>Irr</td><td>130</td><td>пР</td><td>1947-48</td><td>73</td><td>12</td><td></td><td>10</td><td></td><td>15, 1947</td></t<> | S4416 | F-16 | Irr | 130 | пР | 1947-48 | 73 | 12 | | 10 | | 15, 1947 |
| F-16 Irr 151 uP 1948 1 18 Aug. 30, 1948 30, 1948 1 25 Aug. 30, 1948 7 Aug. 30, 1948 7 Aug. 15, 1948 7 Aug. 15, 1948 8 8 8 8 8 9 <td>S4417</td> <td>F-17</td> <td>Irr</td> <td>ಡ</td> <td>пР</td> <td>1948</td> <td>1</td> <td>18</td> <td></td> <td></td> <td></td> <td></td> | S4417 | F-17 | Irr | ಡ | пР | 1948 | 1 | 18 | | | | |
| F-16 Irr a uP 1948 1 25 Aug. 30, 1948 30, 1948 Aug. 2, 1948 Aug. 15, 1948 Aug. 16, 1950 Aug. 14, 1948 Aug. 15, 1947 Aug. 15, 1948 Aug. 15, 1948 Aug. 15, 1948 Aug. 15, 1948 A | S4421 | F-16 | Irr | 151 | пР | 1948 | 1 | 18 | 1 " | | | |
| F-18 Irr a uP 1948-50 f 30 Sept. 2, 1948 24 Aug. 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, | S4422 | F-16 | Irr | 125 | пР | 1948 | 1 | 25 | 1 | | | |
| G-20 Irr a uP 1948-50 6 30 Sept. 9, 1948 24 Aug. 15, 15, 15, 15, 15, 15, 15, 15, 15, 15, | S4473 | F-18 | Irr | æ | пР | 1948 | 1 | 30 | 6, | | | |
| G-21 Irr 51 uP 1948-52 5 35 Sept. 14, 1948 24 | S4474 | G-20 | Irr | æ | пР | 1948-50 | 9 | 30 | 6 | 24 | | 2, 1949 5, 1949 |
| F-14 PS 140 uP 1950 1 60 May 16, 1950 F-18 Irr 103 uP 1948 1 21 July 29, 1948 F-18 Irr 114 uP 1948 1 30 Sept. 7, 1948 F-18 D 90 uP 1948 1 20 Aug. 5, 1948 F-17 Irr 97 uP 1947-48 2 15 Aug. 15, 1947 12 Sept. 1, | S4484 | G-21 | Irr | 51 | пЬ | 1948-52 | w | 35 | Sept. 14, 1948 | 24 | Sept. 1 | 4, 1949 |
| F-18 Irr 114 uP 1948 1 21 July 29, 1948 F-18 Ir 114 uP 1948 1 30 Sept. 7, 1948 F-18 D 90 uP 1948 1 20 Aug. 5, 1948 F-17 Irr 146 uP 1948 1 17 Aug. 31, 1948 E-18 Irr 97 uP 1947-48 2 15 Aug. 15, 1947 12 Sept. | 84501 | F-14 | PS | 140 | пР | 1950 | 1 | 09 | 16, | | | ľ |
| F-18 Irr 114 uP 1948 1 30 Sept. 7, 1948 F-18 D 90 uP 1948 1 20 Aug. 5, 1948 F-17 Irr 97 uP 1948 1 17 Aug. 31, 1948 E-18 Irr 97 uP 1947-48 2 15 Aug. 15, 1947 12 Sept. | 84511 | F-18 | ΙΉ | 103 | пP | 1948 | 1 | 21 | 29, | | | |
| F-18 D 90 uP 1948 1 20 Aug. 5, 1948 F-17 Irr 146 uP 1948 1 17 Aug. 31, 1948 E-18 Irr 97 uP 1947-48 2 15 Aug. 15, 1947 12 Sept. | S4512 | F-18 | Irr | 114 | пР | 1948 | 1 | 30 | 7, | | | |
| F-17 Irr 146 uP 1948 1 17 Aug. 31, 1948 E-18 Irr 97 uP 1947-48 2 15 Aug. 15, 1947 12 Sept. | 84513 | F-18 | Q | 06 | пP | 1948 | 1 | 20 | ນ໌ | | | |
| E-18 Irr 97 uP 1947-48 2 15 Aug. 15, 1947 12 Sept. | 84514 | F-17 | Irr | 146 | пР | 1948 | - | 17 | | | | |
| | 54537 | E-18 | | 97 | пР | 1947-48 | 2 | 15 | 15, | 12 | 1 | 1, 1948 |

Table 1.—Summary of chloride concentrations in well waters of Suffolk County, N. Y., 1928 - 1953—(Continued).

| F-17 Inc. 150 up 1948 1 23 Aug. 31, 1948 1 24 Aug. 31, 1948 1 24 Aug. 31, 1948 8 14/11 14/11 1 24 Aug. 31, 1948 8 14/11 14/11 1 2 2 Supt. 10, 1949 8 14/11 | Well | Map coordi- nate | s Use | Depth (feet) | 3 Geologic source | Period of record (years) | Number of samples | Highe: Cl (ppm) | 4 Highest of record Date | Lowest of record (ppm) | | Date |
|--|----------------------|------------------------|----------|-----------------|-------------------------|--------------------------|-------------------------|-----------------------|--------------------------------|------------------------|-------|-----------------|
| F-16 Int. 169 1994 1 34 Aug. 20,1348 7 541, 13, 1346 8 7 101 34 541, 13, 1346 8 541, 13, 1346 8 101 4 101 101 4 101 <td>SAE43</td> <td>F-17</td> <td>Irr</td> <td>150</td> <td>uP</td> <td>1948</td> <td>-</td> <td>25</td> <td>Aug. 31, 1948</td> <td></td> <td></td> <td></td> | SAE43 | F-17 | Irr | 150 | uP | 1948 | - | 25 | Aug. 31, 1948 | | | |
| F-10 Int. a p 1945 1 20 Sept. 15, 1648 a b b c c Sept. 10, 1648 b c | S4544 | F-16 | Irr | 168 | пР | 1948 | 1 | 34 | | | | |
| F-17 Hr. 180 up 184-540 3 Sept. 16, 1846 8 July 13, 13, 13, 13, 13, 13, 13, 13, 13, 13, | S4547 | F-19 | Irr | 83 | пР | 1948 | 1 | 28 | Sept. 12, 1948 | | | |
| 6.20 147 a up 1648-50 2 265 6.01, 1648 194 144 14 <td>S4551</td> <td>F-17</td> <td>Irr</td> <td>180</td> <td>пP</td> <td>1948-50</td> <td>ю</td> <td>28</td> <td>Sept. 16, 1949</td> <td>8</td> <td>July</td> <td>13, 1950</td> | S4551 | F-17 | Irr | 180 | пP | 1948-50 | ю | 28 | Sept. 16, 1949 | 8 | July | 13, 1950 |
| F-16 Int. a a a Aug. 2 (1944) Aug. Aug. 2 (1944) Aug. | S4565 | G-20 | Irr | 83 | пР | 1948-50 | 2 | 25 | Sept. 10, 1948 | 19 | July | 14, 1950 |
| F-19 Irr 94 up 1949-49 2 82 Sopt. 10, 1948 P 1948-49 2 Sopt. 10, 1948 P 1949 2 Sopt. 10, 1948 P <td>S4566</td> <td>F-19</td> <td>Irr</td> <td>ed</td> <td>пР</td> <td>1948-52</td> <td>9</td> <td>30</td> <td></td> <td>24</td> <td>July</td> <td>10, 1952</td> | S4566 | F-19 | Irr | ed | пР | 1948-52 | 9 | 30 | | 24 | July | 10, 1952 |
| 6-10 11-4 45 Sept. 10, 1948 1 44 Sept. 3, 1948 1 4 Sept. 13, 1948 1 4 5 1948 1 2 4 Sept. 13, 1948 1 4 5 1948 1 2 4 Sept. 10, 1948 1 2 4 2 4 2 4 2 4 2 4 2 4 2 4 2 4 4 2 4 2 4 4 2 4 3 4 | S4576 | F-19 | Irr | 94 | пР | 1948-49 | 62 | 32 | Sept. 8, 1948 Aug. 29, 1949 | | | |
| F-18 Int a up 1948 1 24 Aug. 13 1948 F-18 Int 20 up 1948 1 28 Aug. 13 1948 1 28 Aug. 13 1948 1 14 | S4580 | G-20 | Irr | 55 | пP | 1948 | | 45 | Sept. 10, 1948 | | | |
| F-18 Int 10 up 1948 1 28 Aug. 13,1948 G-20 Iri a uP 1948 1 36 Sept. 10,1948 F-18 Iri a uP 1948 1 24 Nov. 1, 1948 B-14 Iri uP 1948 1 24 Nov. 1, 1948 1 B-15 Irr uP 1947-48 2 25 Aug. 15, 1947 24 July 26, 1948 F-18 Irr 104 uP 1948-3 1 24 Sept. 2, 1948 2 Sept. 3, 1948 < | S4585 | F-19 | Irr | æ | пР | 1948 | 1 | 24 | I | | | |
| F-18 Int. a 1948 1 36 Sept. 10, 1348 F-18 Irr a uP 1948 1 24 Aug. 5, 1948 D-14 Irr a uP 1948 1 24 Aug. 15, 1947 24 July 28. B-13 Irr a uP 1947-48 2 25 Aug. 15, 1947 24 July 28. F-18 Irr a uP 1948-53 6 26 Aug. 15, 1947 24 July 28. B-13 irr irr irr uP 1948-53 6 26 Aug. 1949 22 Sppt. 29, 1947 Aug. 1949 22 Sppt. 29, 1947 Aug. 1948 Aug. 1949 Aug. 1948 Aug. 1949 Aug. 1948 Aug. 1949 Aug. 1949 <td>S4617</td> <td>F-18</td> <td>Irr</td> <td>70</td> <td>пР</td> <td>1948</td> <td>1</td> <td>28</td> <td></td> <td></td> <td></td> <td>4</td> | S4617 | F-18 | Irr | 70 | пР | 1948 | 1 | 28 | | | | 4 |
| F-18 Int a uP 1948 1 44 Aug. 5, 1948 B-14 Irr 107 uP 1949 1 6 Nov. 1, 1949 1 1 2 3 Nov. 1, 1949 1 1 2 1 0 1 1 2 1 0 1 1 2 1 0 1 1 2 1 0 1 1 2 1 0 1 1 2 1 0 1 0 1 0 1 0 1 0 1 0 0 1 0 | S4618 | G-20 | Irr | æ | пР | 1948 | 1 | 36 | Sept. 10, 1948 | | | |
| E-15 Irr a IPP 1949 1 6 Nov. 1, 1949 24 184, 28 F-18 Irr a u 194-48 2 25 Aug. 15, 1947 24 1948 F-18 Irr 104 u 1945-48 2 2 Aug. 1949 22 1948 G-19 Irr 108 u 1948-53 0 0 6 6 May 16, 1950 2 8 7 1948 8 6 May 16, 1950 8 6 8 1948 8 6 May 16, 1950 8 8 1948 8 6 8 1948 8 8 9 8 1948 8 9 8 1948 1 1948 1 1948 1 1948 1 1948 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | S4620 | F-18 | Irr | æ | пР | 1948 | 1 | 24 | ı | | | |
| E-15 Irr a up 1947-48 2 Aug. 15, 1947 24 July 25, 1948 G-18 Irr 104 up 1948-5 1 24 Sept. 2, 1948 24 July 36, 1948 G-19 Irr 108 up 1948-5 0 Aug. 20, 1948 2 Sept. 2, 1949 22 Sept. 2, 1949 2 Sept. 8, 1948 8 Sept. 1, 1948 8 Sept. 20, 1948 8 Sept. 3, 1947 8 Sept. 1948 Sept. 1948 Sept. 1948 8 | S4621 | D-14 | Irr | 107 | пР | 1949 | - | 9 | | | | |
| F-18 lr 104 uP 1948-53 6 26 Aug. 2, 1949 22 Sept. 8. G-19 lr 108 uP 1948-53 6 26 Aug. 2, 1949 22 Sept. 8. B-12 PS 530 M 1960 1 96 Mag. 16, 1950 25 Sept. 29, 1948 2 Sept. 3, 1948 2 Sept. 3, 1948 2 Sept. 3, 1948 2 Sept. 8, 1948 2 Sept. 9, 1948 2 Sept. 1948 4 Sept. 1948 | S4666 | E-15 | Irr | æ | пР | 1947-48 | 2 | 25 | | 24 | July | 28, 1948 |
| 6. 136 17 108 up 1948-53 6 26 Aug 2. 1949 22 Sept. 8, 18, 18 B-12 PS 530 M 1950 1 96 May 16, 1950 2 Sept. 8, 1940 F-18 Irr a uP 1948 1 25 Aug. 1948 Aug. 1948 Aug. 1948 Aug. 1948 Aug. 1949 Aug. | S4676 | F-18 | Irr | 104 | пР | 1948 | 1 | 24 | | | | |
| B-12 PS S30 M 1950 1 9.6 May 16, 1950 F-18 Irr a uP 1948 1 25 Aug. 30, 1948 E-16 Irr a uP 1948 1 62 Aug. 4, 1948 7 C-10 PS uP 1947 1 4 1948 7 8 6.2 Aug. 14, 1947 8 8 1 8 8 1 1948 8 8 1 1948 8 8 1 1 8 1 8 8 1 1 8 8 1 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 1 8 1 | S4725 | G-19 | Irr | 108 | пР | 1948-53 | 9 | 26 | l | 22 | Sept. | - 1 |
| F-18 Irr a uP 1948 1 25 Aug. 30, 1948 E-16 Irr 54 uP 1948 1 62 Sept. 29, 1947 C-10 PS a uP 1947 1 62 Sept. 29, 1947 F-16 Ir a uP 1948 1 194 Aug. 14, 1947 12 Sept. 1947 F-18 Ir a uP 1947-49 3 65 Aug. 14, 1947 12 Sept. 1947 Sept. 1947 Sept. 1947 Sept. 1947 Sept. 1947 Sept. 1947 Sept. 1948 Sept. 1944 Sept. 1947 Sept. 1947 Sept. 1948 < | S4761 | B-12 | PS | 530 | W | 1950 | 1 | 9.6 | - 1 | | | |
| E-16 Irr 54 uP 1948 1 62 Sept. 29, 1947 C-10 Ps a uP 1947 1 62 Sept. 29, 1947 F-16 Irr a uP 1948 1 62 Sept. 29, 1947 F-18 Irr a uP 1948 1 62 Aug. 14, 1947 12 Sept. 1948 F-17 Irr a uP 1947 1 5.8 Aug. 10, 1948 4.2 0 1 5.8 Aug. 10, 1948 4.2 0 1 1 1 4.2 0 1 1 1 4.2 0 1 1 1 4.2 0 1 1 1 1 1 1 1 1 1 1 1 1 | S4795 | F-18 | Irr | æ | пР | 1948 | 1 | 25 | | | | , in the second |
| C-10 FS a uP 1947 1 6.2 Sept. 29, 1947 F-16 Irr a uP 1948 1 19 Aug. 12, 1948 Sept. 29, 1947 F-18 Irr 70 uP 1947-49 3 65 Aug. 14, 1947 12 Sept. 19, 1948 F-17 Irr a uP 1948 1 21 Aug. 10, 1948 1 Sept. 10, 1948 1 | S4825 | E-16 | III | 54 | пР | 1948 | 1 | 18 | | | | |
| F-16 Irr a uP 1948 1 196 Aug. 12, 1948 Sept. 19, 1947 Sept. 14, 1947 12 Sept. 19, 1948 Sept. 19, 1948 Sept. 10, 1948 Sept | S4831 (See S4031) | 1 | PS | eş | пР | 1947 | 1 | 6.2 | Sept. 29, 1947 | | | |
| F-18 Irr 70 uP 1947-49 3 65 Aug. 14, 1947 12 Sept. 3, 1947 75 Sept. 19, 1948 7 Sept. 19, 1948 7 Sept. 19, 1948 7 Sept. 10, 1948 7 Sept. 10, 1948 7 <th< td=""><td>S4944</td><td></td><td>Irr</td><td>ಹ</td><td>пР</td><td>1948</td><td>1</td><td>19</td><td>- 1</td><td></td><td></td><td></td></th<> | S4944 | | Irr | ಹ | пР | 1948 | 1 | 19 | - 1 | | | |
| E-9 PS 190 M 1947 1 5.8 Sept. 3, 1947 F-17 Irr a uP 1948 1 21 Aug. 10, 1948 1 21 Aug. 10, 1948 1 2 1 1948 1 2 Sept. 10, 1948 4.2 0.0t. 15, 1948 4.2 0.110 0.1948 1 14 0.1948 1 0.1948 1 0.1948 0.1 0.1948 1 0.0t. 14, 1949 194 0.1 0.0t. 15, 1948 1 0.1 0.1 0.0t. 15, 1948 | S5012 | F-18 | Irr | 70 | пР | 1947-49 | က | 65 | | 12 | Sept. | 19, 1949 |
| F-17 lr a uP 1948 1 21 Aug. 10, 1948 G-20 lr a uP 1948 1 32 Sept. 10, 1948 7 G-20 lr 55 uP 1948 1 20 Sept. 10, 1948 4.2 Oct. 15, 1948 F-17 D a uP 1948 1 14 Aug. 10, 1948 1 24 Dec. 21, 1948 1948 1 30 Aug. 13, 1948 1 11, 1949 1948 1 30 Aug. 13, 1948 1 | S5068 | E-9 | PS | 190 | W | 1947 | 1 | 5.8 | | | | |
| G-20 lr a uP 1948 1 20 Sept. 10, 1948 4.2 Sept. 10, 1948 7 10, 1948 7 10, 1948 7 10, 1948 7 10, 1948 7 10, 1948 1 14 Aug. 10, 1948 4.2 Dec. 21, 1948 4.2 0ct. 15, 1948 1 | S5115 | F-17 | lrr | ಡ | пР | 1948 | 1 | 21 | | | | |
| G-20 lr 55 uP 1948 1 20 Sept. 10, 1948 4.2 Oct. 15, 1548 B-15 D 110 uP 1948 3 4.8 Dec. 21, 1948 4.2 Oct. 15, 1548 F-17 D 125 uP 1948-49 4 24 Dec. 14, 1949 19 June 17, 10-14 F-17 Irr 40 uP 1948-49 1 30 Aug. 13, 1948 5.1 May 27, 1949 F-17 Irr a uP 1948-49 2 6.8 July 29, 1949 5.1 May 27, 1948 F-17 Irr a uP 1948-49 1 6.8 July 29, 1949 5.1 May 27, 1948 | S5189 | G-20 | III | a | пР | 1948 | 1 | 32 | Sept. 8, 1948 | | | |
| E-15 D 110 uP 1948 3 4.8 Dec. 21, 1948 4.2 Oct. 15, 15, 1548 Oct. 15, 1548 4.2 Oct. 15, 1948 4.2 Dec. 14, 1949 1948 1 14 Aug. 10, 1948 19 1 me 17, 1 me 17, 1 me 17, 1 me 17, 1 me 18 1 1 24 Dec. 14, 1949 19 1 me 17, 1 me 17, 1 me 17, 1 me 17, 1 me 18 1 30 Aug. 13, 1948 1 1 me 17, 1 | S5208 | G-20 | Irr | 55 | пР | 1948 | | 20 | Sept. 10, 1948 | | | |
| F-17 D a uP 1948-49 4 24 Dec. 14, 1949 19 June F-17 Irr 40 uP 1948-49 4 24 Dec. 14, 1949 19 June F-17 Irr 40 uP 1948-49 1 30 Aug. 13, 1948 5.1 May E-15 D a uP 1948-49 2 6.8 July 29, 1949 5.1 May F-17 Irr a uP 1948-49 1 28 Aug. 9, 1948 5.1 May | S5234 | E-15 | D | 110 | пР | 1948 | 3 | 4.8 | Dec. 21, 1948 | 4.2 | Oct. | 15, 1948 |
| F-17 D 125 uP 1948-49 4 24 Dec. 14, 1949 19 19 June F-17 Irr 40 uP 1948 1 30 Aug. 13, 1948 5.1 May E-15 D a uP 1948-49 2 6.8 July 29, 1949 5.1 May F-17 Irr a uP 1948 1 28 Aug. 9, 1948 5.1 May | S5317 | F-17 | Q | ಹ | пР | 1948 | 1 | 14 | Aug. 10, 1948 | | | |
| F-17 lrr 40 uP 1948 1 30 Aug. 13, 1948 B-15 D a uP 1948-49 2 6.8 July 29, 1949 5.1 May F-17 lrr a uP 1948 1 28 Aug. 9, 1948 | S5341 | F-17 | D | 125 | пР | 1948-49 | 4 | 24 | Dec. 14, 1949 | 19 | June | 17, 1948 |
| E-15 D a uP 1948-49 2 6.8 July 29, 1949 5.1 May F-17 Irr a uP 1948 1 28 Aug. 9, 1948 5.1 May | S5344 | F-17 | Irr | 40 | пР | 1948 | 1 | 30 | | | | |
| F-17 Irr a uP 1948 1 28 Aug. | S5362 | E-15 | D | ed | пP | 1948-49 | 2 | 6.8 | " | 5.1 | May | 27, 1948 |
| | S5366 | F-17 | Irr | æ | пР | 1948 | 1 | 28 | | | | |

Table 1.—Summary of chloride concentrations in well waters of Suffolk County, N. Y., 1928 - 1953—(Continued).

| | Man | | | · | Period | | | 4 | | |
|-----------------|-----------------|-----|-----------------|--------------------|-------------------------|-------------------------|---------------------|-----------------------------------|---------------------|-------------------------------|
| Well number | coordi- nate | Use | Depth (feet) | Geologic source | of record (years) | Number of samples | Higl Cl (ppm) | Highest of record Date | Lowest of record Cl | of record |
| S5475- S5476 | F-20 | Irr | 30 | пР | 1948-50 | 7 | 103 | July 11, 1950 | 37 | 4 |
| S5503 | F-19 | Irr | es | пР | 1948 | 1 | 34 | Sept. 8, 1948 | | |
| S5518 | E-15 | Q | 54 | пР | 1948-49 | 3 | rv | 1 - | 5.4 | Aug. 3, 1949 |
| S5602 | G-19 | Irr | 110 | пР | 1948 | 1 | 26 | Sept. 8, 1948 | | |
| S5615 | F-22 | Irr | 165 | пР | 1949 | 1 | 27 | | | |
| S5625 | F-18 | Irr | 82 | пР | 1948 | 1 | 28 | | | |
| S5665 | F-19 | Irr | 46 | пР | 1948-53 | 55 | 34 | | 22 | Inly 1, 1953 |
| S5707 | F-17 | Irr | e t | пР | 1948 | 1 | 29 | Aug. 13, 1948 | | ш |
| S5708 | F-16 | Irr | 94 | пР | 1948 | 1 | 25 | | | |
| S6028 | F-18 | Irr | 121 | пР | 1948-50 | 9 | 28 | | 21 | Tuly 13, 1950 |
| Se029 | F-17 | Irr | æ | пР | 1948 | 1 | 23 | | | |
| Se038 | G-20 | Irr | В | пР | 1948 | 1 | 20 | | | |
| Se059 | G-20 | Irr | 78 | пР | 1948-53 | 4 | 1600 | | 48 | Sept. 15, 1949 |
| S6119 | G-19 | lrr | ಪ | пР | 1948-53 | w | 28 | Sept. 13, 1949 | 24 | July 11, 1950 Iuly 7, 1952 |
| S6148 | G-20 | Irr | 80 | пР | 1948-49 | 2 | 28 | Aug. 25, 1949 | 24 | |
| S6149 | G-20 | Irr | 82 | пР | 1948-52 | 10 | 36 | Aug. 25, 1949 | 24 | Aug. 30, 1949 |
| S6150 | F-19 | Irr | ಡ | пР | 1948 | 1 | 20 | 1 . | | |
| S6190 | G-19 | Irr | æ | пР | 1948 | 1 | 27 | Sept. 7, 1948 | | |
| S6192 | G-19 | Irr | æ | пР | 1948 | 1 | 25 | Sept. 9, 1948 | | |
| S6193 | G-20 | Irr | 75 | uP | 1948-50 | 4 | 30 | Aug. 2, 24, 1949 July 12, 1950 | 25 | Sept. 13, 1948 |
| S6405 | E-15 | Т | 50 | пР | 1948-53 | 3 | 10 | Mar. 3, 1953 | 5.9 | Oct. 18, 1948 |
| S6406 | E-15 | F | 50 | пР | 1949-52 | 8 | ∞ | Feb. 2, 1951 | 4.1 | Oct. 14, 1949 |
| S6407 | E-15 | Т | 34 | пP | 1948-53 | က | 7 | Dec. 17, 1948 | 4 | Sept. 14, 1951 |
| S6409 | E-15 | 0 | 1434 | L | 1948 | 1 | 4.1 | Nov. 8, 1948 | | |
| S6425 | E-15 | Т | 38 | пР | 1949-52 | 8 | 52 | Aug. 24, 1951 | 4 | Sept. 25, 1952 |
| S6426 | E-15 | Т | 85 | пР | 1950-52 | 8 | 7 | Nov. 13, 1950 | 5 | Nov. 28, 1952 |
| S6432 | E-15 | Т | 156 | пР | 1948 | 1 | 4.4 | Dec. 17, 1948 | | |
| S6434 | E-15 | 0 | 1600 | L | 1949 | 1 | 5.6 | June 2, 1949 | | |
| S6456 | E-15 | T | 217 | M | 1949 | - | 7.1 | Sept. 13, 1949 | | |
| S6471 | E-15 | Ţ | 14 | пP | 1949 | _ | 8 6 | Inly 29 1949 | | |

See footnotes at end of table.

Table 1.—Summary of chloride concentrations in well waters of Suffolk County, N. Y., 1928 - 1953—(Continued).

| Well | Map coordi- nate | z Use | Depth (feet) | a Geologic source | renoa of record (years) | Number of samples | Highe Cl (ppm) | Highest of record Date | Lowest of record (ppm) | of record Date |
|-----------------|------------------------|----------|-----------------|-------------------------|----------------------------------|-------------------------|----------------------|--|------------------------|--------------------------------|
| Z699S | E-15 | D | 100 | пР | 1950-52 | 3 | 7 | Nov. 13, 1950 | no | Nov. 28, 1952 |
| S6779 | G-19 | Irr | ಹ | пР | 1948-53 | 5 | 38 | Sept. 14, 1949 | 25 | July 1, 1953 |
| S6780 | F-19 | lrr | ಡ | пР | 1948-53 | œ | 25 | Aug. 2, 1949 Sept. 6, 1949 | 20 | July 12, 1950 |
| S6901 | F-18 | Irr | æ | пР | 1948 | 1 | 12 | July 29, 1948 | | |
| S7117 | E-21 | Irr | æ | пР | 1949 | 1 | 22 | July 6, 1949 | | |
| S7123 | G-20 | lrr | 82 | пР | 1950 | 1 | 59 | July 7, 1950 | | |
| S7168 | H-22 | Irr | 33 | пЪ | 1948-50 | ນ | 42 | Oct. 12, 1948 | 36 | Sept. 18, 1949 July 6, 1950 |
| S7169 | H-22 | lrr | 26 | пР | 1948-49 | 81 | 62 | Sept. 23, 1948 | 56 | Sept. 15, 1949 |
| S7170 | H-22 | lrr | 23 | пР | 1948-52 | 6 | 78 | July 7, 1952 | 52 | Sept. 30, 1948 |
| S7171- S7172 | H-22 | lrr | æ | пВ | 1948-52 | ın | 44 | July 18, 1949 | 36 | July 9, 1952 |
| S7173 | H-22 | Irr | æ | пР | 1948-50 | 8 | 16 | Sept. 14, 1949 | 12 | July 6, 1950 |
| S7174 | H-22 | Irr | æ | пР | 1949-50 | 2 | 24 | Sept. 14, 1949 | 18 | July 6, 1950 |
| S7175 | H-22 | lrr | 8 | пР | 1948-50 | 3 | 09 | Sept. 14, 1949 | 41 | July 6, 1950 |
| S7176 | H-22 | ПT | 11 | пР | 1948-49 | 7 | 1000 | Sept. 30, 1948 | 350 | Sept. 15, 1949 |
| S7179 | H-22 | III | 22 | пР | 1948-52 | ß | 99 | Sept. 30, 1948 | 38 | Sept. 15, 1949 |
| S7180 | H-22 | Irr | 20 | чP | 1948-52 | 4 | 48 | Sept. 30, 1948 Sept. 14, 1949 July 7, 1952 | 46 | July 6, 1950 |
| S7267 | G-20 | PS | es | пР | 1948 | 1 | 20 | Sept. 9, 1948 | | |
| S7269 | F-18 | Q | æ | пР | 1948-50 | 3 | 30 | Sept. 16, 1949 | . 29 | Aug. 21, 1948 July 12, 1950 |
| S7293 | E-21 | Irr | æ | пР | 1949 | 1 | 28 | July 6, 1949 | | |
| S7334 | G-19 | Irr | 95 | пР | 1949 | 1 | 70 | Summer 1949 | | |
| S7499 | F-21 | Irr | 107 | пР | 1949 | 1 | 26 | July 7, 1949 | | |
| 87569 | E-19 | PS | 31 | пР | 1950 | 1 | 25 | Aug. 4, 1950 | | |
| S7570 | F-23 | PS | 163 | пР | 1949 | 1 | 6 | July 7, 1949 | | |
| S7665 | F-18 | Irr | ಹ | пР | 1949 | 1 | 28 | Summer 1949 | | |
| S7741 | E-21 | Irr | 73 | пР | 1949 | 1 | 28 | July 6, 1949 | | |
| S7870 | H-22 | Irr | 16.5 | uР | 1950 | 1 | 48 | July 6, 1949 | | |
| S7905 | G-20 | Irr | æ | пР | 1950-53 | 3 | 35 | July 7, 1950 | 28 | June 30, 1953 |
| S8139 | D-17 | Irr | 09 | пP | 1949 | 1 | 13 | July 6, 1949 | | |
| S8778 | H-22 | Irr | ಡ | пP | 1950 | 1 | 24 | July 6, 1950 | | |

See footnotes at end of table.

Table 1.—Summary of chloride concentrations in well waters of Suffolk County, N. Y., 1928 - 1953—(Concluded).

| | ī | | | | Period | | | • | | |
|----------------|------------------------|----------|-----------------|-------------------------|-------------------------|-------------------------|-------------|--|------------------------|----------------|
| Well number | Map coordi- nate | z Use | Depth (feet) | s Geologic source | of record (years) | Number of samples | Cl (ppm) | Highest of record Date | Lowest of record (ppm) | record Date |
| S9138 | G-20 | Q | 35 | пР | 1949 | 1 | 42 | Dec. 14, 1949 | | |
| S9139 | H-21 | Q | 25 | пР | 1949 | 1 | 18 | Dec. 14, 1949 | | |
| S9140 | F-23 | D | 09 | пР | 1949 | 1 | 30 | Dec. 14, 1949 | | |
| S9141 | D-15 | Q | 20 | dn | 1950-53 | 3 | œ | Mar. 21, 1952 | 4 | Jan. 15, 1953 |
| S9142 | D-15 | Δ | 09 | пР | 1950-53 | 4 | œ | Feb. 5, 1951 | rc. | April 11, 1952 |
| S9143 | D-15 | Q | 30 | пР | 1950-53 | 8 | 5.2 | Mar. 3, 1950 | 8 | Feb. 9, 1953 |
| S9144 | D-16 | ۵ | 40 | пР | 1951-53 | ю | 50 | Feb. 13, 1951 | 18 | Feb. 16, 1953 |
| S14597 | H-22 | Q | æ | пР | 1949-50 | 2 | 835 | Sept. 20, 1949 | 296 | July 6, 1950 |
| D-15 | H-22 | n | æ | Чh | 1950 | 1 | 24 | July 6, 1950 | | |
| LeKay | E-15 | Q | 67 | пР | 1952 | 1 | 4 | Nov. 21, 1952 | | |
| | | | | | | | | The second secon | | |

FOOTNOTES:

1 See plate 1.

² Use of well indicated by symbols as follows: D Domestic or Institutional Ind Industrial

Agricultural D Ind Ind O O PS

Observation
Public Supply
Test Boring
Unused

³ Water-bearing formation in which well is screened indicated by symbols as follows: uP upper Pleistocene

uP M

Magothy (?) formation Lloyd sand member of Raritan formation

4 Includes data where only one sample taken.

a Exact depth unknown; identity of formation tapped based on other evidence.

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53.

| S3. | (D-8.) New York | | _ | S40. | (B-12 | .) Village | e of Ocean | |
|--------------|------------------------------------|-------------|---------------------|---------------|----------|----------------------|-------------------|---------------------|
| | Date of collection | <u> </u> | 'emperature (°F) | | | Date of ollection | Chloride (ppm) | Temperature (°F) |
| | Mar. 28, 1946 | 8 8 | 50.4 | | Oct. | 10, 1932 | 4 | |
| S8. | | Water Ser | | S 19 - | S/10 | (F-10) T | I S Vetera | n's Facility, |
| 50. | (E-8.) New York Huntington. | water ser | vice Corp., | 940 - | | 1 and 2, N | | in 5 1 acinty, |
| | Oct. 10, 1932 | 4.2 | | | Apri: | 1, 1938 | 6 | _ |
| | Nov. 12, 1933 | 4.2 | | | | 23, 1938 | 5 | 52.4 |
| | Sept. 3, 1947 | 4.4 | | | Oct. | 27, 1939 | 5 | |
| S9. | | Seminary, V | Vest Neck | | Sept. | 25, 1940 | 6 | |
| | Ave., West Neck | | | | Oct. | 28, 1942 | 6 | 52.4 |
| | Nov. 23, 1938 | 5 | 56.0 | | Mar. | 27, 1946 | 6 | 50.9(S48) |
| | Oct. 27, 1939 | 5 | 56.3 | | Mar. | 27, 1946 | 5 | 51.0(S49) |
| | July 3, 1940 | 3.6 | | | Feb. | 4, 1952 | 4.6 | (S49) |
| | Sept. 25, 1940 | 5 | | | Mar. | 4, 1952 | 4.6 | (S48) |
| | Oct. 28, 1942 | 5 | | a. | (13.10 | \ TT C | Vataman'a I | Pacility wal |
| | Feb. 17, 1950 | 7 | | S50. | • | | veteran's r | facility, well |
| | May 17, 1950 | | 56.3 | | 3, N | orthport. | | |
| S12 . | (B-9.) U. S. (| Coast Guar | d Station, | | Dec | 15, 1937 | 6 | |
| | Jones Beach. | | , | | | 17, 1938 | 6 | 51.0 |
| | May 2, 1933 | 7 | 64.0 | | | 1, 1938 | 6 | 50.9 |
| | Mar. 28, 1938 | 7 | 61.3 | | - | 23, 1938 | 7 | 50.4 |
| | April 27, 1938 | 6 | 01.0 | | | 27, 1939 | 8 | 51.0 |
| | May 20, 1938 | 6 | _ | | | 25, 1940 | 7 | 50.5 |
| | June 20, 1938 | 7 | | | _ | 28, 1942 | 8 | 50.5 |
| | Sept. 20, 1938 | 7 | | | | 27, 1946 | $1\overline{2}$ | 51.2 |
| | April 3, 1939 | 17 | _ | | | 21, 1010 | | |
| | June 29, 1939 | 9 | | S51. | (E-10 | .) South | oay Consoli | dated Water |
| | Oct. 6, 1939 | 8 | _ | | Co., | Well 1, Ki | ngs Park. | |
| | Jan. 24, 1940 | 8 | . — | | <u> </u> | 10 1000 | | |
| | Sept. 27, 1940 | 8 | | | Oct. | 10, 1932 | 6.8 | |
| | April 15, 1941 | 8 | | S55. | (B-11 |) Willage | of Saltaire | , Fire Island |
| | Dec. 30, 1952 | o 7 | <u> </u> | 555. | - | | | , 1 110 1514114 |
| 327. | $\overline{\text{(E-8.)}}$ South H | | Water Dis- | | Oct. | 26, 1932 | 3.8 | |
| | trict, No. 1, Hui | ntington. | | S60. | (D-1) | l.) Centra | al Islip Sta | ite Hospital |
| | Mar. 26, 1946 | 12 | | | Cent | ral Islip. | - | _ |
| | Sept. 3, 1947 | 10.2 | 51.0 | | | | | |
| S29. | | untington | | | | 12, 1932 | 3.8 | |
| J4J. | trict, No. 3, South | _ | | | Mar. | 20, 1946 | 5 | 54.8 |
| | | | | S62. | (D 1) | D.) Brent | wood Wat | er District |
| | Mar. 26, 1946 | 12 | 51.5 | 304. | | | | water tank |
| S31. | (E-9.) Greenlay | | strict, Rte. | | | | | nd Railroad |
| | 25A, Centerport. | | | | | twood. | Toug Isiai | iu italli oau |
| | May 1, 1934 | 4.7 | | | PLEI | itwood. | | |
| | Oct. 27, 1939 | 5 | | | Mar. | 6, 1946 | 8 | |
| | | 6 | 51.0 | | Sept | . 5, 1947 | 4.8 | |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| S65. | (E-11.) South Bay Consolidated Water Co., No. 1, Smithtown. | S197. | (H-21.) Shelter Well 2, Shelter | | ghts Assoc., |
|--------|---|-------|------------------------------------|---|--|
| | Date of Chloride Temperature collection (ppm) (°F) | | Date of collection | Chloride (ppm) | Temperature (°F) |
| | Mar. 15, 1946 8 51.0 | | Oct. 13, 1937 | 35 | |
| S112 - | S113 - S114. (F-13.) Oakwood Park | | Nov. 9, 1937 | 80 | - |
| | Corp., Belle Terre. | | Nov. 9, 1937 | 71 | |
| | May 16, 1950 9 — | | Dec. 6, 1937 | 50 | |
| S131. | (G-26.) Perry Duryea, Montauk. | | Jan. 20, 1938 | 32 | |
| D101. | Aug. 26, 1946 36 56.0 | | Feb. 25, 1938 | 26 | to the same of the |
| | | | April 1, 1938 | 24 | |
| S153. | (D-18.) Rogers and Hallock, West- | | May 9, 1938 | 24 | - |
| | hampton Beach. | | June 7, 1938 | 22 | |
| | Oct. 11, 1932 34 — | | Aug. 1, 1938 | 19 | |
| | Aug. 15, 1933 34 — Nov. 15, 1933 34 — | | Sept. 6, 1938 | 53 | - |
| G1.00 | | | Mar. 27, 1939 | 30 | |
| S169. | (G-20.) North Fork Water Co., South side Main Rd. east of South Harbor Rd., Southold. | S198. | (G-21.) Shelter Well 3, Shelter | 19 | _ |
| | Nov. 13, 1933 28 — | | Oct. 13, 1937 | 11 | - |
| | Sept. 13, 1949 24 — | | Nov. 10, 1937 | 12 | and the same of th |
| | July 11, 1950 36 — | | Nov. 10, 1937 | 13 | |
| | July 7, 1952 36 — | | Dec. 6, 1937 | 12 | |
| S170. | (G-20.) North Fork Water Co., South | | Jan. 20, 1938 | 9 | |
| | side of Main Rd., east of South Harbor | | Feb. 25, 1938 | 13 | |
| | Rd., Southold. | | April 1, 1938 | 12 | |
| | Sept. 13, 1949 40 — | | May 9, 1938 June 7, 1938 | $\begin{array}{c} 10 \\ 12 \end{array}$ | |
| | July 11, 1950 36 57.7 | | Aug. 1, 1938 | 11 | |
| | July 7, 1952 36 — | | Sept. 6, 1938 | 14 | |
| S177. | (H-21.) Village of Dering Harbor, | | Mar. 27, 1939 | 12 | |
| | Shelter Island. | S199. | (G-21.) Shelter | Island Heig | ghts Assoc., |
| | Nov. 16, 1933 28 — | | Well 4, Shelter | | |
| S178. | (H-21.) Village of Greenport, Well | | Oct. 13, 1937 | 14 | |
| | Field No. 3, Greenport. | | Nov. 10, 1937 | 12 | |
| | Oct. 11, 1932 45 — | | Nov. 10, 1937 | 11 | |
| | Aug. 15, 1933 68 — | | Dec. 6, 1937 | 15 | |
| | Nov. 15, 1933 63 — | | Jan. 20, 1938 Feb. 25, 1938 | 14 17 | |
| S184. | (F-22.) New York Water Service | | April 1, 1938 | 17 16 | _ |
| | Corp., Sag Harbor. | | May 9, 1938 | 16 | |
| | Mar. 19, 1946 14 51.9 | | June 7, 1938 | 14 | |
| S189. | (H-22.) Orient State Park. | | Aug. 1, 1938 | 11 | _ |
| DIOU. | | | Sept. 6, 1938 | 19 | _ |
| | 1935 7600 — | | Mar. 27, 1939 | 13 | |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| wen i diener | Island Hei | ghts. | | Aquebogu | e. | | |
|------------------|---|---|--|--|---|---|--|
| Date of | Chloride | Temperature | | | | Chloride (ppm) | Temperature (°F) |
| | | | | Aug 21. | 1945 | 11 | |
| · · | | | | _ | | | |
| • | | | | • | | 65 | _ |
| • | | | a =15 | | | -1 Talin II. | ognital Con |
| | | | S715. | , | Centra | at ishp H | ospitai, Cen- |
| - | | | | | | | |
| | 20 | | | • | | | |
| , | 23 | | | Mar. 20, | 1946 | 11 | 53.9 |
| | 20 | | S716. | (F-18.) | J. W. | Warner, | Main Road, |
| Mar. 27, 1939 | 21 | | D110. | , | | , | |
| (D.11) Centra | 1 Iclin Sta | to Hospital | | | | 97 | |
| • | ii isiip bia | te Hospital, | | • | | | _ |
| | | <u> </u> | | | | | _ |
| Mar. 20, 1946 | 3 | 54.0 | | 0 , | | | <u> </u> |
| (F-17.) H. C. | Huckett, S | Sound Ave., | | • | | | |
| Riverhead. | | | | • | | | |
| Aug. 22, 1945 | 20 | | | | | | |
| • | | | | | | | <u> </u> |
| | | | | | | | |
| | | | | | | | _ |
| | | | CE01 | | | | otom Co |
| | | uren, Souna | 5721. | | | gansen w | ater Co., |
| | | | | Mar 13 | 1946 | 30 | |
| | | | | | | | |
| | | | S738. | (E-17.) | J. Tw | omey, Cal | verton. |
| | | Main Dood | | Aug. 5, | 1945 | 32 | |
| ` ' | . Corwin, | main Road, | | July 18, | 1946 | 8 | — |
| | | | | Aug. 14, | 1947 | 8 | |
| • | 15 | | | Aug. 11, | 1948 | 18 | |
| • | | | S742 | (F-16) | W d | e Laguna. | Cliff Road |
| | | | D112. | | | _ | 0222 |
| | | | | | | | |
| (F-18.) E. Drop, | Main Rd., | Aquebogue. | 0040 | | | · | and Faton |
| Aug. 16, 1945 | 15 | _ | 5848. | , , | | | |
| July 15, 1946 | 16 | | | | | | JK. |
| Aug. 13, 1947 | 16 | | | Mar. 15, | 1943 | 430 | |
| Sept. 1, 1948 | 17 | | S871. | (C-13.) I | No. 2, S | South Bay | Consolidated |
| (F-17.) J. B. S | Singer, 76 | Sound Ave | | | | | |
| | | | S872. | | | East side | of Lakeview |
| Aug. 23, 1945 | 15 | | | • , | | | |
| | 1 .) | | | · · · · · · · · · · · · · · · · · · · | | | |
| Aug. 12, 1947 | 15 | | | Mar. 13, | 104B | 12 | 51.2 |
| | collection Oct. 13, 1937 Dec. 6, 1937 Jan. 20, 1938 Feb. 25, 1938 April 1, 1938 May 9, 1938 June 7, 1938 Aug. 1, 1938 Mar. 27, 1939 (D-11.) Central Central Islip. Mar. 20, 1946 (F-17.) H. C. Riverhead. Aug. 22, 1945 July 11, 1946 Aug. 14, 1947 Aug. 30, 1948 (F-17.) Congreg Ave., Baiting Ho Aug. 16, 1945 July 11, 1946 July 30, 1948 (F-18.) L. W Aquebogue. Aug. 16, 1945 July 18, 1946 Aug. 13, 1947 July 26, 1948 (F-18.) E. Drop, Aug. 16, 1945 July 15, 1946 Aug. 13, 1947 July 26, 1948 (F-18.) E. Drop, Aug. 16, 1945 July 15, 1946 Aug. 13, 1947 Sept. 1, 1948 (F-17.) J. B. S Riverhead. | collection (ppm) Oct. 13, 1937 11 Dec. 6, 1937 21 Jan. 20, 1938 19 Feb. 25, 1938 20 April 1, 1938 20 May 9, 1938 20 June 7, 1938 20 Aug. 1, 1938 23 Sept. 6, 1938 20 Mar. 27, 1939 21 (D-11.) Central Islip Sta Central Islip. Mar. 20, 1946 3 (F-17.) H. C. Huckett, S. Riverhead. Aug. 22, 1945 20 July 11, 1946 16 Aug. 14, 1947 20 Aug. 30, 1948 20 (F-17.) Congregational Ch Ave., Baiting Hollow. Aug. 16, 1945 19 July 30, 1948 20 (F-18.) L. W. Corwin, Aquebogue. Aug. 16, 1945 15 July 18, 1946 16 Aug. 16, 1945 15 July 26, 1948 42 (F-18.) E. Drop, Main Rd., Aug. 16, 1945 16 <t< td=""><td>collection (ppm) (°F) Oct. 13, 1937 11 — Dec. 6, 1937 21 — Jan. 20, 1938 19 — Feb. 25, 1938 20 — April 1, 1938 20 — May 9, 1938 20 — June 7, 1938 20 — Aug. 1, 1938 23 — Sept. 6, 1938 20 — Mar. 27, 1939 21 — (D-11.) Central Islip State Hospital, Central Islip. Mar. 20, 1946 3 54.0 (F-17.) H. C. Huckett, Sound Ave., Riverhead. Ave., Riverhead. Aug. 22, 1945 20 — July 11, 1946 16 — Aug. 14, 1947 20 — Aug. 16, 1945 19 — July 30, 1948 20 — (F-18.) L. W. Corwin, Main Road, Aquebogue. Aug. 16, 1945 15 — <t< td=""><td>collection (ppm) (°F) Oct. 13, 1937 11 — Dec. 6, 1937 21 — Jan. 20, 1938 19 — Feb. 25, 1938 20 — April 1, 1938 20 — May 9, 1938 20 — June 7, 1938 20 — Aug. 1, 1938 23 — Sept. 6, 1938 20 — Mar. 27, 1939 21 — (D-11.) Central Islip State Hospital, Central Islip. Mar. 20, 1946 3 54.0 (F-17.) H. C. Huckett, Sound Ave., Riverhead. Aug. 19, 1946 16 — Aug. 14, 1947 20 — Aug. 16, 1945 19 — July 11, 1946 20 — July 10, 1945 15 — <td< td=""><td>collection (ppm) (°F) collection Oct. 13, 1937 11 — Aug. 21, July 16, July 16, Aug. 14, July 16, July 11, July 18, July 19, July 18, July 19, July 18, July 18, July 18, July 19, July 18, July 18, July 19, July 18, July 19, July 18, July 18, July 19, July 18, July 18, July 19, July 18, July 19, July 18, July 18, July 19, July 18, July 18, July 18, July 19, July 18, July 1</td><td>Collection (ppm) (°F) Oct. 13, 1937 11 — Aug. 21, 1945 Dec. 6, 1937 21 — July 16, 1946 Aug. 11, 1938 20 — S715. May 9, 1938 20 — S715. May 9, 1938 20 — S715. May 9, 1938 20 — S716. Aug. 11, 1938 23 — S716. Mar. 27, 1939 21 — S716. (D-11.) Central Islip. Mar. 27, 1939 21 — S716. (D-11.) Central Islip State Hospital, Central Islip. Mar. 20, 1946 3 54.0 (F-17.) H. C. Huckett, Sound Ave., Riverhead. Aug. 22, 1945 20 — Aug. 14, 1947 20 — Aug. 30, 1948 20 — Spl. 1, 1946 16 — Aug. 14, 1947 20 — Aug. 30, 1948 20 — Sept. 15, 1949 Aug. 16, 1945 19 — July 11, 1946 20 — July 11, 1946 20 — Spl. 1, 1948 42 — (F-18.) L. W. Corwin, Main Road, Aquebogue. Aug. 16, 1945 15 — July 18, 1946 16 — Aug. 13, 1947 19 — July 26, 1948 42 — (F-18.) E. Drop, Main Rd., Aquebogue. Aug. 16, 1945 15 — July 18, 1946 16 — Aug. 13, 1947 19 — July 26, 1948 42 — (F-18.) E. Drop, Main Rd., Aquebogue. Aug. 16, 1945 15 — July 15, 1946 16 — Aug. 13, 1947 16 — Sept. 1, 1948 17 — Sept. 1, 1948</td><td> Collection Cippm /td></td<></td></t<></td></t<> | collection (ppm) (°F) Oct. 13, 1937 11 — Dec. 6, 1937 21 — Jan. 20, 1938 19 — Feb. 25, 1938 20 — April 1, 1938 20 — May 9, 1938 20 — June 7, 1938 20 — Aug. 1, 1938 23 — Sept. 6, 1938 20 — Mar. 27, 1939 21 — (D-11.) Central Islip State Hospital, Central Islip. Mar. 20, 1946 3 54.0 (F-17.) H. C. Huckett, Sound Ave., Riverhead. Ave., Riverhead. Aug. 22, 1945 20 — July 11, 1946 16 — Aug. 14, 1947 20 — Aug. 16, 1945 19 — July 30, 1948 20 — (F-18.) L. W. Corwin, Main Road, Aquebogue. Aug. 16, 1945 15 — <t< td=""><td>collection (ppm) (°F) Oct. 13, 1937 11 — Dec. 6, 1937 21 — Jan. 20, 1938 19 — Feb. 25, 1938 20 — April 1, 1938 20 — May 9, 1938 20 — June 7, 1938 20 — Aug. 1, 1938 23 — Sept. 6, 1938 20 — Mar. 27, 1939 21 — (D-11.) Central Islip State Hospital, Central Islip. Mar. 20, 1946 3 54.0 (F-17.) H. C. Huckett, Sound Ave., Riverhead. Aug. 19, 1946 16 — Aug. 14, 1947 20 — Aug. 16, 1945 19 — July 11, 1946 20 — July 10, 1945 15 — <td< td=""><td>collection (ppm) (°F) collection Oct. 13, 1937 11 — Aug. 21, July 16, July 16, Aug. 14, July 16, July 11, July 18, July 19, July 18, July 19, July 18, July 18, July 18, July 19, July 18, July 18, July 19, July 18, July 19, July 18, July 18, July 19, July 18, July 18, July 19, July 18, July 19, July 18, July 18, July 19, July 18, July 18, July 18, July 19, July 18, July 1</td><td>Collection (ppm) (°F) Oct. 13, 1937 11 — Aug. 21, 1945 Dec. 6, 1937 21 — July 16, 1946 Aug. 11, 1938 20 — S715. May 9, 1938 20 — S715. May 9, 1938 20 — S715. May 9, 1938 20 — S716. Aug. 11, 1938 23 — S716. Mar. 27, 1939 21 — S716. (D-11.) Central Islip. Mar. 27, 1939 21 — S716. (D-11.) Central Islip State Hospital, Central Islip. Mar. 20, 1946 3 54.0 (F-17.) H. C. Huckett, Sound Ave., Riverhead. Aug. 22, 1945 20 — Aug. 14, 1947 20 — Aug. 30, 1948 20 — Spl. 1, 1946 16 — Aug. 14, 1947 20 — Aug. 30, 1948 20 — Sept. 15, 1949 Aug. 16, 1945 19 — July 11, 1946 20 — July 11, 1946 20 — Spl. 1, 1948 42 — (F-18.) L. W. Corwin, Main Road, Aquebogue. Aug. 16, 1945 15 — July 18, 1946 16 — Aug. 13, 1947 19 — July 26, 1948 42 — (F-18.) E. Drop, Main Rd., Aquebogue. Aug. 16, 1945 15 — July 18, 1946 16 — Aug. 13, 1947 19 — July 26, 1948 42 — (F-18.) E. Drop, Main Rd., Aquebogue. Aug. 16, 1945 15 — July 15, 1946 16 — Aug. 13, 1947 16 — Sept. 1, 1948 17 — Sept. 1, 1948</td><td> Collection Cippm /td></td<></td></t<> | collection (ppm) (°F) Oct. 13, 1937 11 — Dec. 6, 1937 21 — Jan. 20, 1938 19 — Feb. 25, 1938 20 — April 1, 1938 20 — May 9, 1938 20 — June 7, 1938 20 — Aug. 1, 1938 23 — Sept. 6, 1938 20 — Mar. 27, 1939 21 — (D-11.) Central Islip State Hospital, Central Islip. Mar. 20, 1946 3 54.0 (F-17.) H. C. Huckett, Sound Ave., Riverhead. Aug. 19, 1946 16 — Aug. 14, 1947 20 — Aug. 16, 1945 19 — July 11, 1946 20 — July 10, 1945 15 — <td< td=""><td>collection (ppm) (°F) collection Oct. 13, 1937 11 — Aug. 21, July 16, July 16, Aug. 14, July 16, July 11, July 18, July 19, July 18, July 19, July 18, July 18, July 18, July 19, July 18, July 18, July 19, July 18, July 19, July 18, July 18, July 19, July 18, July 18, July 19, July 18, July 19, July 18, July 18, July 19, July 18, July 18, July 18, July 19, July 18, July 1</td><td>Collection (ppm) (°F) Oct. 13, 1937 11 — Aug. 21, 1945 Dec. 6, 1937 21 — July 16, 1946 Aug. 11, 1938 20 — S715. May 9, 1938 20 — S715. May 9, 1938 20 — S715. May 9, 1938 20 — S716. Aug. 11, 1938 23 — S716. Mar. 27, 1939 21 — S716. (D-11.) Central Islip. Mar. 27, 1939 21 — S716. (D-11.) Central Islip State Hospital, Central Islip. Mar. 20, 1946 3 54.0 (F-17.) H. C. Huckett, Sound Ave., Riverhead. Aug. 22, 1945 20 — Aug. 14, 1947 20 — Aug. 30, 1948 20 — Spl. 1, 1946 16 — Aug. 14, 1947 20 — Aug. 30, 1948 20 — Sept. 15, 1949 Aug. 16, 1945 19 — July 11, 1946 20 — July 11, 1946 20 — Spl. 1, 1948 42 — (F-18.) L. W. Corwin, Main Road, Aquebogue. Aug. 16, 1945 15 — July 18, 1946 16 — Aug. 13, 1947 19 — July 26, 1948 42 — (F-18.) E. Drop, Main Rd., Aquebogue. Aug. 16, 1945 15 — July 18, 1946 16 — Aug. 13, 1947 19 — July 26, 1948 42 — (F-18.) E. Drop, Main Rd., Aquebogue. Aug. 16, 1945 15 — July 15, 1946 16 — Aug. 13, 1947 16 — Sept. 1, 1948 17 — Sept. 1, 1948</td><td> Collection Cippm /td></td<> | collection (ppm) (°F) collection Oct. 13, 1937 11 — Aug. 21, July 16, July 16, Aug. 14, July 16, July 11, July 18, July 19, July 18, July 19, July 18, July 18, July 18, July 19, July 18, July 18, July 19, July 18, July 19, July 18, July 18, July 19, July 18, July 18, July 19, July 18, July 19, July 18, July 18, July 19, July 18, July 18, July 18, July 19, July 18, July 1 | Collection (ppm) (°F) Oct. 13, 1937 11 — Aug. 21, 1945 Dec. 6, 1937 21 — July 16, 1946 Aug. 11, 1938 20 — S715. May 9, 1938 20 — S715. May 9, 1938 20 — S715. May 9, 1938 20 — S716. Aug. 11, 1938 23 — S716. Mar. 27, 1939 21 — S716. (D-11.) Central Islip. Mar. 27, 1939 21 — S716. (D-11.) Central Islip State Hospital, Central Islip. Mar. 20, 1946 3 54.0 (F-17.) H. C. Huckett, Sound Ave., Riverhead. Aug. 22, 1945 20 — Aug. 14, 1947 20 — Aug. 30, 1948 20 — Spl. 1, 1946 16 — Aug. 14, 1947 20 — Aug. 30, 1948 20 — Sept. 15, 1949 Aug. 16, 1945 19 — July 11, 1946 20 — July 11, 1946 20 — Spl. 1, 1948 42 — (F-18.) L. W. Corwin, Main Road, Aquebogue. Aug. 16, 1945 15 — July 18, 1946 16 — Aug. 13, 1947 19 — July 26, 1948 42 — (F-18.) E. Drop, Main Rd., Aquebogue. Aug. 16, 1945 15 — July 18, 1946 16 — Aug. 13, 1947 19 — July 26, 1948 42 — (F-18.) E. Drop, Main Rd., Aquebogue. Aug. 16, 1945 15 — July 15, 1946 16 — Aug. 13, 1947 16 — Sept. 1, 1948 17 — Sept. 1, 1948 | Collection Cippm Cippm |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| S874. | (E-9.) New Yo Centerport. | rk Water Se | ervice Corp., | S1128. | (F-16.) head. | P. Bı | ırre, Oak | Hills, River- |
|--------|--------------------------------|---|------------------|--------|--------------------------|------------|-------------------|----------------|
| | Date of collection | Chloride (ppm) | Temperature (°F) | | Date o | | Chloride (ppm) | Temperature |
| | Mar. 15, 1946 | 14 | 51.2 | | Aug. 18, | | 18 | |
| S932. | (F-16.) Anna T | emski Mid | dle Country | | July 11, | | 16 | |
| 20020 | Road, Calverton | | ———— | | Aug. 14, July 30, | | 16 14 | _ |
| | Aug. 13, 1945 | 23 | | S1129. | | A. Ma | igee, Oak | Hills, River- |
| | Aug. 14, 1947 | 20 | | | head. | | | |
| | Aug. 4, 1948 | 26 | | | Aug. 17, | 1945 | 14 | |
| S933. | (D-14.) Suffol | k Co. Home | e, Yaphank. | | July 11, Aug. 14, | | 18 20 | _ |
| | Nov. 1, 1949 | 8 | _ | | July 30, | | 16 | |
| S1029 | . (F-18.) J. D | owns. Ceda | r Ave. and | S1215. | (F-17.) | State | of New | York, Long |
| | Main Road, Aq | uebogue. | | | | | | Sound Ave., |
| | Aug. 23, 1945 | 24 | | | Riverhead | | • | Ź |
| | July 15, 1946 | 28 | _ | | Aug. 17, | 1945 | 19 | |
| | July 27, 1948 | 20 | | | July 11, | | 22 | |
| C1020 | | | 1 73 / 1 | | Aug. 12, | 1947 | 19 | _ |
| 21099 | . (F-9.) U. S. Neck. | Coast Gua | rd, Eaton's | | July 27, | 1948 | 22 | |
| | | | | S1232. | (F-18.) | Mrs. | Stephani | e Trubisz, |
| | Mar. 15, 1943 | 4.9 | | | | | nile east o | f Pier Ave., |
| S1087 | . (E-19.) Ham | pton Bays | Water Co., | | Riverhead | l . | | |
| | Well 3, Hampto | | , | | July 10, | | 24 | |
| | Aug. 4, 1950 | 15 | | | Aug. 12, | | 20 | |
| S1007 | | | | | Aug. 21, | | 24 | |
| 51097 | . (F-17.) K. P Riverhead. | ugsiey. Roa | noke Ave., | | (F-16.) Road, Cal | | asky, Mid | dle Country |
| | Aug. 18, 1945 | 51 | | | July 17, | 1946 | 18 | |
| | July 17, 1946 | 40 | _ | | Aug. 14, | | 19 | |
| | Aug. 13, 1947 | 35 | _ | | Aug. 11, | 1948 | 24 | |
| | July 27, 1948 | 32 | | S1277. | (E-19.) | T. J. 0 | Gerrity, of | f Old Coun- |
| S1099. | . (F-13.) Anto: | ne Miegock | i, Mt. Sinai | | try Road, | | | |
| | and Coram Road | ls, Mt. Sina | i. | | Aug. 23, | 1945 | 2 | |
| | Aug. 25, 1945 | 4 | | | July 17, | | 10 | |
| | Aug. 15, 1947 | 9 | _ | | Aug. 14, | | 10 | |
| S1100. | , , | | | | Sept. 1, 3 S1306-S131 | | 15 -8.) New | York Water |
| | (61 Sound Ave. | | u | | Service Co | • | | |
| | Aug. 17, 1945 July 11, 1946 | $\begin{array}{c} 32 \\ 20 \end{array}$ | | | Mar. 15, | | 16 | 51.0 |
| | Aug. 12, 1947 | 20 30 | | S1306. | (E-8.) | | | ter Service |
| | Aug. 26, 1948 | 26 | _ | | Corp., No. | | | rei Selvice |
| | Sept. 16, 1949 | 30 | | | Mar. 15, | | 16 | 51.0 |
| | | - | | - | | 1010 | 10 | 91.0 |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| Date of collection Chloride (Part Collection Corp. Huntington. Fam. 14, 1946 16 51.0 | S1311. (E-8.) New York Water Service Corp., No. 11, Huntington. | S1345. (D-18.) South Bay Consolidated Water Co., No. 1, Westhampton. |
|--|---|--|
| Mar. 15, 1946 16 51.0 S1313. (E-8.) New York Water Service Corp., Huntington. Mar. 14, 1946 10 52.4 S1318. (E-19.) Hampton Bays Water Co., Well 1, Hampton Bays. Sept. 17, 1934 8 Aug. 4, 1950 22 — S1319 to S1323. (F-17.) Riverhead Water Supply, north side West Main St. between Mill Rd. and Harrison Ave., Riverhead. Sept. 4, 1947 5.6 (S1320-21) Sept. 19, 1949 12 — July 13, 1950 8 55.5 S22 Sept. 4, 1947 5.6 (S1320-21) Sept. 19, 1949 12 — July 13, 1950 8 55.5 S43 July 9, 1952 8 (S1319-20) July 1, 1953 6 (S1319-20) Ju | | collection (ppm) (°F) |
| Signature Sign | Mar. 15, 1946 16 51.0 | |
| Siland Railroad, Westhampton Beach Sept. 4, 1947 5.8 Sept. 4, 1947 5.8 Sept. 4, 1950 22 Sept. 4, 1950 22 Sept. 4, 1950 22 Sept. 4, 1946 6 50.2 Sept. 4, 1946 6 50.2 Sept. 4, 1947 5.6 Sept. 4, 1946 6 50.2 Sept. 4, 1947 5.6 Sept. 4, 1946 6 50.2 Sept. 4, 1947 5.6 Sept. 5, 1947 Sept. 19, 1949 12 Sept. 19, 1949 12 Sept. 19, 1953 6 Sept. 19, 1953 6 Sept. 19, 1953 Sept. 4, 1946 Sept. 5, 1947 Sept. 19, 1949 Sept. 19, 1953 Sept. 4, 1946 Sept. 5, 1947 Sept. 19, 1949 Se | S1313. (E-8.) New York Water Service | Bay Consolidated Water Co., North side of Meetinghouse Road, West of |
| Well 1, Hampton Bays. Sept. 17, 1934 | Mar. 14, 1946 10 52.4 | Island Railroad, Westhampton Beach. |
| Sept. 17, 1934 | | |
| Single No. Single No | Sept. 17, 1934 8 — | |
| Supply, north side West Main St. between Mill Rd. and Harrison Ave., Riverhead. S1396. G-26. Perry Duryea, Montauk. | Aug. 4, 1950 22 — | Mar. 14, 1946 6 50.2 |
| The large of tween Mill Rd. and Harrison Ave., Riverhead. | , | S1373. (G-26.) Perry Duryea, Montauk. |
| Riverhead. S1396. G-26. Perry Duryea, Montauk. Aug. 26, 1946 6 64.0 Aug. 28, 1947 25 Aquebogue. S1391 | | Aug. 26, 1946 880 55.0 |
| Nat | | S1396. (G-26.) Perry Duryea, Montauk. |
| Mar. 21, 1946 12 53.2 53.2 54.24. (F-19.) J. McKay & Sons, Main Rd., Aquebogue. Sept. 4, 1947 5.6 (S1320-21) Sept. 19, 1949 12 — 54.3 54.3 July 9, 1952 8 (S1319-20) July 1, 1953 6 (S1319-20) July 1, 1953 6 (S1319-20) July 12, 1949 22 — July 12, 1950 25 54.9 July 12, 1950 25 54.9 July 12, 1953 32 — S1331. (D-14.) South Bay Consolidated Water Co., Bellport. Mar. 14, 1946 12 52.6 Sept. 5, 1947 7.8 — S1336. (F-13.) South Bay Consolidated Water Co., Port Jefferson. Mar. 15, 1946 10 51.4 S1340. (E-21.) South Bay Consolidated Water Co., No. 1, Southampton. S1610. (F-18.) L. Fanning, Sound Ave. and Union Ave., Riverhead. July 10, 1946 30 — | Oct. 11, 1932 5.5 (S1322) | Aug. 26, 1946 6 64.0 |
| July 13, 1950 | Mar. 21, 1946 12 53.2 Sept. 4, 1947 5.6 (S1320-21) | |
| State Stat | | |
| July 9, 1952 8 (S1319-20) July 1, 1953 6 (S1319-20) S1326 to S1330. (C-8.) South Bay Consolidated Water Co., west of Long Island Railroad south side of tracks, Amityville. Mar. 4, 1946 12 52.6 Sept. 5, 1947 7.8 — S1331. (D-14.) South Bay Consolidated Water Co., Bellport. Mar. 14, 1946 12 50.5 S1336. (F-13.) South Bay Consolidated Water Co., Port Jefferson. Mar. 15, 1946 10 51.4 S1340. (E-21.) South Bay Consolidated Water Co., No. 1, Southampton. S1340. (E-21.) South Bay Consolidated Water Co., No. 1, Southampton. | | |
| Since Sinc | | · · · · · · · · · · · · · · · · · · · |
| Since the Since of the Since | | - · · · · · · · · · · · · · · · · · · · |
| Single S | | · · · · · · · · · · · · · · · · · · · |
| Signature Co., west of Bong Island Railroad south side of tracks, Amityville. Signature Sign | • | • · · · · · |
| ville. S1445. (D-9.) Herman Liere, Whitman Rd., Mar. 4, 1946 12 52.6 So. Huntington. Sept. 5, 1947 7.8 — Aug. 24, 1945 9 — Aug. 18, 1947 11 — S1331. (D-14.) South Bay Consolidated Water Co., Bellport. S1481. (F-17.) Reeves Park Beach Co., Park Road, No. 2, Reeves Park. Mar. 14, 1946 12 50.5 S1336. (F-13.) South Bay Consolidated Water Co., Port Jefferson. July 11, 1946 14 — Mar. 15, 1946 10 51.4 S1610. (F-18.) L. Fanning, Sound Ave. and Union Ave., Riverhead. S1340. (E-21.) South Bay Consolidated Water Co., No. 1, Southampton. Union Ave., Riverhead. | | |
| Mar. 4, 1946 12 52.6 Sept. 5, 1947 7.8 — Aug. 24, 1945 9 — Aug. 18, 1947 11 — | | S1445. (D-9.) Herman Liere, Whitman Rd., |
| Sept. 5, 1947 7.8 — S1331. (D-14.) South Bay Consolidated Water Co., Bellport. Mar. 14, 1946 12 50.5 S1336. (F-13.) South Bay Consolidated Water Co., Port Jefferson. Mar. 15, 1946 10 51.4 S1481. (F-17.) Reeves Park Beach Co., Park Road, No. 2, Reeves Park. Aug. 22, 1945 18 — July 11, 1946 14 — Aug. 12, 1947 18 — July 27, 1948 21 — S1610. (F-18.) L. Fanning, Sound Ave. and Union Ave., Riverhead. Union Ave., Riverhead. July 10, 1946 30 — | Mar 4 1946 19 52.6 | , , |
| S1331. (D-14.) South Bay Consolidated Water Co., Bellport. Mar. 14, 1946 12 50.5 S1336. (F-13.) South Bay Consolidated Water Co., Port Jefferson. Mar. 15, 1946 10 51.4 S1340. (E-21.) South Bay Consolidated Water Co., No. 1, Southampton. Mar. 15, 1946 10 51.4 S1610. (F-18.) L. Fanning, Sound Ave. and Union Ave., Riverhead. July 10, 1946 30 — | · | |
| Water Co., Bellport. S1481. (F-17.) Reeves Park Beach Co., Fark Boad, No. 2, Reeves Park Boad, N | | |
| S1336. (F-13.) South Bay Consolidated Water Co., Port Jefferson. Mar. 15, 1946 (E-21.) South Bay Consolidated Water Co., No. 1, Southampton. Mar. 15, 1946 Mar. 15, 194 | Water Co., Bellport. | |
| Water Co., Port Jefferson. Mar. 15, 1946 10 51.4 S1340. (E-21.) South Bay Consolidated Water Co., No. 1, Southampton. S1610. (F-18.) L. Fanning, Sound Ave. and Union Ave., Riverhead. July 10, 1946 30 — | Mar. 14, 1946 12 50.5 | / |
| Mar. 15, 1946 10 51.4 S1610. S1340. (E-21.) South Bay Consolidated Water Co., No. 1, Southampton. S1610. S1610. July 27, 1948 21 — (F-18.) L. Fanning, Sound Ave. and Union Ave., Riverhead. July 10, 1946 30 — | S1336. (F-13.) South Bay Consolidated | • |
| Mar. 15, 1946 10 51.4 S1340. (E-21.) South Bay Consolidated Water Co., No. 1, Southampton. S1610. (F-18.) L. Fanning, Sound Ave. and Union Ave., Riverhead. July 10, 1946 30 — | Water Co., Port Jefferson. | 3 , |
| S1340. (E-21.) South Bay Consolidated Water Co., No. 1, Southampton. Union Ave., Riverhead. July 10, 1946 30 — | Mar. 15, 1946 10 51.4 | |
| Water Co., No. 1, Southampton. July 10, 1946 30 — | S1340. (E-21.) South Bay Consolidated | · · · · · · · · · · · · · · · · · · · |
| · · | Water Co., No. 1, Southampton. | |
| | Mar. 18, 1946 22 50.0 | • , |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| | -S1664. (C-10.) Service Corp., B | | ork Wate r | S1721. | (D-1 Brenty | | Pilgri | m State | e Hospital, |
|--------|--|---|---|----------------------------|---|--|--|--|--|
| | Date of collection | | Temperature (°F) | | | ate of lection | l | Chloride (ppm) | Temperature |
| | Mar. 14, 1946 | 6 | 50.2 | | Mar. 2 | 20, 19 | 946 | 6 | 50.0 |
| S1667 | . (F-22.) Bridg | geha m pton | Water Co., | S1776. | Riverh | iead. | | | Sound Ave., |
| | May 16, 1950 | 15 | 51.0 | | Aug. 1 July 1 | | | 32 14 | |
| S1668 | . (H-21.) Village Lane near Main #4, Greenport. | | | S1777. | Aug. 1 $\frac{\text{July 2}}{(\text{F-1'})}$ Riverh | 28, 19 7.) H | 948 | 16 10 | — octor's Path |
| | Mar. 22, 1946 | 94 | 51.5 (#4) | | Aug. 1 | | 045 | 8 | |
| | Aug. 25, 1949 | 80 | — (# 4) | | July 1 | | | 10 | |
| | Nov. 29, 1949 | 84 | | | Aug. 1 | | | 10 | _ |
| | July 8, 1950 | 76 | — (#4) | | July 2 | , | | 12 | |
| | Feb. 28, 1951 Mar. 28, 1951 | 79 84 | _ | S1790. | | | | Goodale, | Main Road, |
| S1669 | . (H-21.) Village | of Green | ort Mooro's | | Aqueb | _ | | | |
| DIOUD | Lane, near Mai | | | | Aug. 1 | - | | 30 | |
| | Greenport. | n nu., sia | 111011 1, #5, | | July 1 | • | | 26 | |
| | diccipoit. | | | | Ang 1 | 16, 19 | 946 | 30 | |
| | | | | | _ | • | | | |
| | Aug. 25, 1949 | 135 | | | Aug. 1 | 13, 19 | 947 | 20 | _ |
| | Aug. 25, 1949 July 7, 1950 | 135 153 | — 63.6 | | Aug. 1 July 2 | 13, 19 26, 19 |)47)48 | 20 | |
| S1673 | July 7, 1950 -S1678. (H-21.) | 153 Village of | Greenport, | S1791. | Aug. 1 July 2 | 13, 19 26, 19 8.) | 947 948 R. J. | 20 | — — Main Road, |
| S1673 | July 7, 1950 -S1678. (H-21.) southeast cor. N | 153 Village of orth Rd. a | Greenport, and Moore's | S1791. | Aug. 1 July 2 (F-18 | 13, 19 26, 19 8.) ogue. | 947 948 R. J. | 20 | Main Road, |
| S1673 | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, | 153 Village of orth Rd. a Greenpor | Greenport, and Moore's | S1791. | Aug. 1 July 2 (F-18 Aqueb | 13, 19 26, 19 8.) ogue. | 947 948 R. J. 945 | 20 Doodale, | Main Road, |
| S1673 | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 | 153 Village of forth Rd. a Greenpor 255 | Greenport, and Moore's | S1791. | $\begin{array}{c} \text{Aug. 1} \\ \text{July 2} \\ \hline \text{(F-18)} \\ \text{Aqueb} \\ \hline \text{Aug. 1} \end{array}$ | 13, 19 26, 19 8.) ogue. 16, 19 | 947 948 R. J. 945 946 | 20 Doodale, | Main Road, |
| S1673 | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 | Village of forth Rd. a Greenpor 255 424 | Greenport, and Moore's t. | S1791. | Aug. 1 July 2 (F-18 Aqueb Aug. 1 July 1 | 13, 19 26, 19 8.) ogue. 16, 19 15, 19 | 947 948 R. J. 945 946 | 20 Doodale, 36 20 | |
| S1673 | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 July 7, 1950 | Village of forth Rd. a Greenpor 255 424 123 | Greenport, and Moore's | S1791. | Aug. 1 July 2 (F-18 Aquebone Aug. 1 July 1 Aug. 1 Aug. 1 Aug. 1 | 13, 19 26, 19 8.) ogue. 6, 19 15, 19 16, 19 | 947 948 R. J. 945 946 946 | 20 Doodale, 36 20 36 28 | |
| S1673 | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 July 7, 1950 Feb. 28, 1951 | Village of forth Rd. a Greenpor 255 424 123 180 | Greenport, and Moore's t. | S1791. S1818. | Aug. 1 July 2 (F-18 Aqueb Aug. 1 July 1 Aug. 1 Aug. 1 (G-18 | 13, 19 26, 19 8.) ogue. 16, 19 15, 19 16, 19 13, 19 | 947 948 R. J. 945 946 946 947 J. Chu | 20 Doodale, 36 20 36 28 diak, Nor | |
| S1673 | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 July 7, 1950 Feb. 28, 1951 Mar. 28, 1951 | 153 Village of orth Rd. a Greenpor 255 424 123 180 160 | Greenport, and Moore's t. | S1791. S1818. | Aug. 1 July 2 (F-18 Aqueb Aug. 1 July 1 Aug. 1 Aug. 1 G-19 Bergen | 13, 19 26, 19 8.) ogue. 6, 19 15, 19 16, 19 13, 19 9.) N | 947 948 R. J. 945 946 946 947 J. Chu | 20 Doodale, 36 20 36 28 diak, Nortituck. | |
| S1673 | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 July 7, 1950 Feb. 28, 1951 | Village of forth Rd. a Greenpor 255 424 123 180 | Greenport, and Moore's t. | S1791. S1818. | Aug. 1 July 2 (F-18 Aquebo Aug. 1 July 1 Aug. 1 Aug. 1 G-18 Bergen Aug. 2 | 13, 19 26, 19 8.) 8.) 6, 19 15, 19 16, 19 13, 19 9.) No. 1 Ave | 947 948 R. J. 945 946 946 947 J. Chu | 20 Doodale, 36 20 36 28 diak, Nor | |
| | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 July 7, 1950 Feb. 28, 1951 Mar. 28, 1951 July 9, 1952 . (E-19.) Hamp | Village of forth Rd. a Greenpor 255 424 123 180 160 340 pton Bays | Greenport, and Moore's t. 53.7 53.7 Water Dis- | S1791. S1818. | Aug. 1 July 2 (F-13 Aqueb Aug. 1 July 1 Aug. 1 (G-19 Bergen Aug. 2 July 1 | 13, 19 26, 19 8.) 3, 19 6, 19 15, 19 16, 19 13, 19 9.) No Ave 21, 19 7, 19 | 947 948 R. J. 945 946 947 J. Chu ., Mat | 20 Doodale, 36 20 36 28 diak, Nor- tituck. 25 24 | |
| | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 July 7, 1950 Feb. 28, 1951 Mar. 28, 1951 July 9, 1952 | Village of forth Rd. a Greenpor 255 424 123 180 160 340 pton Bays | Greenport, and Moore's t. 53.7 53.7 Water Dis- | S1791. S1818. | Aug. 1 Aqueb Aug. 1 July 1 Aug. 1 Aug. 1 G-19 Bergen Aug. 2 July 1 Aug. 1 | 13, 19 26, 19 8.) ogue. 16, 19 15, 19 16, 19 17, 19 17, 19 13, 19 | 947 948 R. J. 945 946 947 J. Chu ., Mat 945 946 | 20 Doodale, 36 20 36 28 diak, Nortituck. 25 24 30 | |
| | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 July 7, 1950 Feb. 28, 1951 Mar. 28, 1951 July 9, 1952 (E-19.) Hamp trict, Well No. | Village of orth Rd. a Greenpor 255 424 123 180 160 340 pton Bays 2, Hampto | Greenport, and Moore's t. 53.7 53.7 Water Dis- | S1791. S1818. | Aug. 1 Aqueb Aug. 1 July 1 Aug. 1 Aug. 1 G-19 Bergen Aug. 2 July 1 Aug. 1 Aug. 1 Aug. 1 Aug. 1 | 13, 19 26, 19 8.) ogue. 6, 19 5, 19 6, 19 7, 19 7, 19 7, 19 6, 19 | 947 948 R. J. 945 946 947 J. Chu ., Mat 945 947 948 | 20 Doodale, 36 20 36 28 diak, Nor tituck. 25 24 30 30 | |
| | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 July 7, 1950 Feb. 28, 1951 Mar. 28, 1951 July 9, 1952 (E-19.) Hamp trict, Well No. Sept. 22, 1941 | Village of forth Rd. a Greenpor 255 424 123 180 160 340 pton Bays 2, Hampto 240 | Greenport, and Moore's t. 53.7 Water Dis- n Bays. | S1791. S1818. | Aug. 1 Aqueb Aug. 1 July 1 Aug. 1 Aug. 1 G-19 Bergen Aug. 2 July 1 Aug. 1 Aug. 1 Sept. 1 | 13, 19 26, 19 8.) 6, 19 15, 19 16, 19 13, 19 9.) 1 Ave 21, 19 7, 19 3, 19 3, 19 | 947 948 R. J. 945 946 947 J. Chu ., Mat 945 946 947 948 949 | 20 Doodale, 36 20 36 28 diak, Nortituck. 25 24 30 | |
| | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 July 7, 1950 Feb. 28, 1951 Mar. 28, 1951 July 9, 1952 (E-19.) Hamp trict, Well No. Sept. 22, 1941 Mar. 12, 1946 | 153 Village of orth Rd. a Greenpor 255 424 123 180 160 340 pton Bays 2, Hampto 240 42 | Greenport, and Moore's t. 53.7 53.7 Water Dis- | S1791. S1818. | Aug. 1 Aqueb Aug. 1 July 1 Aug. 1 Aug. 1 G-19 Bergen Aug. 2 July 1 Aug. 1 Aug. 1 July 1 Aug. 1 July 1 July 1 | 13, 19 26, 19 8.) 6, 19 15, 19 16, 19 13, 19 9.) 1 Ave 21, 19 7, 19 3, 19 3, 19 | 947 948 R. J. 945 946 947 J. Chu ., Mat 945 946 947 948 949 950 | 20 Doodale, 36 20 36 28 diak, Nor tituck. 25 24 30 30 28 | th Road and |
| S1679. | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 July 7, 1950 Feb. 28, 1951 Mar. 28, 1951 July 9, 1952 (E-19.) Hamp trict, Well No. Sept. 22, 1941 Mar. 12, 1946 Aug. 4, 1950 | Village of forth Rd. a Greenpor 255 424 123 180 160 340 pton Bays 2, Hampto 240 42 14 | Greenport, and Moore's t. 53.7 System Distriction Bays. 52.2 | S1791. S1818. | Aug. 1 July 2 (F-16 Aquebo Aug. 1 July 1 Aug. 1 G-16 Bergen Aug. 2 July 1 Aug. 1 Aug. 1 July 1 July 1 July 1 July 1 | 13, 19 26, 19 8.) 30 6, 19 15, 19 16, 19 13, 19 7, 19 3, 19 2, 19 7, 19 | 947 948 R. J. 945 946 947 J. Chu ., Mat 945 946 947 948 949 950 | 20 Doodale, 36 20 36 28 diak, Nortituck. 25 24 30 30 28 25 42 | th Road and ———————————————————————————————————— |
| S1679. | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 July 7, 1950 Feb. 28, 1951 Mar. 28, 1951 July 9, 1952 (E-19.) Hamp trict, Well No. Sept. 22, 1941 Mar. 12, 1946 Aug. 4, 1950 to S1700, S4003 to | Village of forth Rd. a Greenpor 255 424 123 180 160 340 pton Bays 2, Hampto 240 42 14 0 \$4022. (C | Greenport, and Moore's t. 53.7 Solution Bays. 52.2 C-10.) South | S1791. S1818. S1822. | Aug. 1 Aqueb Aug. 1 July 1 Aug. 1 Aug. 1 G-19 Bergen Aug. 2 July 1 Aug. 1 Aug. 1 July 1 July 1 July 1 July 1 July 1 July 1 | 13, 19 26, 19 8.) ogue. 6, 19 15, 19 16, 19 17, 19 17, 19 18, 19 19, 19 19, 19 19, 19 19, 19 19, 19 19, 19 19, 19 19, 19 19, 19 19, 19 19, 19 19, 19 19, 19 19, 19 19, 19 | 947 948 R. J. 945 946 947 J. Chu 1, Mat 945 946 947 948 949 950 952 A. R. | 20 Doodale, 36 20 36 28 diak, Nortituck. 25 24 30 30 28 25 42 Thurm & | th Road and ———————————————————————————————————— |
| S1679. | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 July 7, 1950 Feb. 28, 1951 Mar. 28, 1951 July 9, 1952 (E-19.) Hamperict, Well No. Sept. 22, 1941 Mar. 12, 1946 Aug. 4, 1950 to S1700, S4003 to Bay Consolidated | Village of forth Rd. a Greenpor 255 424 123 180 160 340 pton Bays 2, Hampto 240 42 14 0 S4022. (Cd Water Cd | Greenport, and Moore's t. 53.7 South of South | S1791. S1818. S1822. | Aug. 1 Aug. 1 Aug. 1 Aug. 1 Aug. 1 Aug. 1 G-19 Bergen Aug. 2 July 1 Aug. 1 Aug. 1 July 1 July 1 July 1 July 1 July 1 July 1 feet F1 | 13, 19 26, 19 8.) ogue. 6, 19 15, 19 16, 19 17, 19 17, 19 18, 19 19 19, 19 19 19, 19 19 19, 19 19 19, 19 19 19 19 19 19 19 19 19 19 19 19 19 1 | 947 948 R. J. 945 946 947 J. Chu ., Mat 945 948 949 950 952 A. R. Pond | 20 Doodale, 36 20 36 28 diak, Nortituck. 25 24 30 30 28 25 42 Thurm & | th Road and ———————————————————————————————————— |
| S1679. | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 July 7, 1950 Feb. 28, 1951 Mar. 28, 1951 July 9, 1952 (E-19.) Hamperict, Well No. Sept. 22, 1941 Mar. 12, 1946 Aug. 4, 1950 to S1700, S4003 to Bay Consolidated intersection of 5 | Village of forth Rd. a Greenpor 255 424 123 180 160 340 pton Bays 2, Hampto 240 42 14 co S4022. (Cd Water Co 5th Ave. a | Greenport, and Moore's t. | S1791. S1818. S1822. | Aug. 1 July 2 (F-16 Aquebone Aug. 1 July 1 Aug. 1 G-19 Bergen Aug. 2 July 1 Aug. 1 July 1 July 1 July 1 July 1 Feet F1 Road, 6 | 13, 19 26, 19 8.) ogue. 6, 19 15, 19 16, 19 17, 19 18, 19 19 19, 19 19 19, 19 19, 19 19 19, 19 19, 19 19 19, 19 19 19, 19 19 19 19 19 1 | 947 948 R. J. 945 946 947 J. Chu ., Mat 945 946 947 948 949 950 952 A. R. Pond | 20 Doodale, 36 20 36 28 diak, Nortituck. 25 24 30 30 28 25 42 Thurm & Ave., nor | th Road and ———————————————————————————————————— |
| S1679. | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 July 7, 1950 Feb. 28, 1951 Mar. 28, 1951 July 9, 1952 (E-19.) Hamperict, Well No. Sept. 22, 1941 Mar. 12, 1946 Aug. 4, 1950 to S1700, S4003 to Bay Consolidated | Village of forth Rd. a Greenpor 255 424 123 180 160 340 pton Bays 2, Hampto 240 42 14 co S4022. (Cd Water Co 5th Ave. a | Greenport, and Moore's t. | S1791. S1818. S1822. | Aug. 1 July 2 (F-16 Aquebo Aug. 1 July 1 Aug. 1 G-16 Bergen Aug. 2 July 1 Aug. 1 Aug. 1 July 1 July 1 July 1 Get Fi Road, 6 Aug. 1 | 13, 19 26, 19 8.) ogue. 6, 19 15, 19 16, 19 13, 19 7, 19 3, 19 4, 19 7, 19 6, 19 7, 19 6, 19 7, 19 6, 19 6, 19 6, 19 6, 19 6, 19 6, 19 6, 19 6, 19 6, 19 | 947 948 R. J. 945 946 947 J. Chu 45 946 947 948 949 950 952 A. R. Pond rton. | 20 Doodale, 36 20 36 28 diak, Nortituck. 25 24 30 30 28 25 42 Thurm & Ave., nor | th Road and ———————————————————————————————————— |
| S1679. | July 7, 1950 -S1678. (H-21.) southeast cor. N Lane, Station 3, Dec. 1945 Aug. 24, 1949 July 7, 1950 Feb. 28, 1951 Mar. 28, 1951 July 9, 1952 (E-19.) Hamperict, Well No. Sept. 22, 1941 Mar. 12, 1946 Aug. 4, 1950 to S1700, S4003 to Bay Consolidated intersection of 5 | Village of forth Rd. a Greenpor 255 424 123 180 160 340 pton Bays 2, Hampto 240 42 14 co S4022. (Cd Water Co 5th Ave. a | Greenport, and Moore's t. | S1791. S1818. S1822. | Aug. 1 July 2 (F-16 Aquebone Aug. 1 July 1 Aug. 1 G-19 Bergen Aug. 2 July 1 Aug. 1 July 1 July 1 July 1 July 1 Feet F1 Road, 6 | 13, 19 26, 19 8.) ogue. 6, 19 15, 19 16, 19 17, 19 18, 19 19 19, 19 19 19, 19 19, 19 19 19, 19 19, 19 19 19, 19 19 19, 19 19 19 19 19 1 | 947 948 R. J. 945 946 946 947 J. Chu 945 946 947 948 949 950 952 A. R. Pond rton. | 20 Doodale, 36 20 36 28 diak, Nortituck. 25 24 30 30 28 25 42 Thurm & Ave., nor | — z Son, 6600 |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| Ave., Batting Hollow. Batting Hollow. Chloride Temperature collection Chloride (Ppm) Temperature collection Chloride (Ppm) Temperature collection Chloride Temperature (Ppm) Chloride Temperatu | S1838. | | | _ | Son, Sound | S1929. | (F-17.) Baiting H | | Neinstedt, | Sound Ave., |
|--|--------|-----------|-------|--------------|--------------|--------|----------------------|----------|------------|---------------|
| July 11, 1946 20 | | Date o | of . | Chloride | Temperature | | Date | of | | |
| July 11, 1946 | | A110 16 | 1945 | 14 | | | July 11, | 1946 | 18 | |
| Aug. 12, 1947 20 — Aug. 30, 1948 22 — July 12, 1949 19 — Aug. 3, 1949 20 — Aug. 30, 1949 18 — Sept. 20, 1949 18 — Aug. 30, 1949 18 — Sept. 20, 1949 18 — S1930. S1842. (E-9.) Louis DeLeci, Elwood Road, Elwood. Aug. 15, 1947 15 — S1892. (F-17.) H. Meyjes, Riley Ave., Calverton. Aug. 14, 1947 28 — Aug. 14, 1947 28 — Aug. 14, 1947 28 — Aug. 12, 1948 28 — Sept. 19, 1949 26 — Suly 13, 1950 24 51.4 S1912. (F-16.) W. Weckesser, Oak Hills, Riverhead. Aug. 18, 1945 17 — Aug. 11, 1946 15 — Aug. 14, 1947 18 — Aug. 18, 1945 17 — Aug. 18, 1945 17 — Aug. 14, 1947 18 — Aug. 14, 1947 18 — Aug. 31, 1948 23 — Aug. 31, 1948 23 — Aug. 31, 1948 25 — July 11, 1946 15 — Aug. 31, 1948 23 — Aug. 31, 1949 24 — July 12, 1949 18 — Aug. 31, 1949 26 — July 13, 1950 16 — Aug. 31, 1948 23 — Aug. 31, 1948 26 — July 11, 1946 15 — Aug. 31, 1948 23 — Aug. 31, 1949 24 — Aug. 31, 1949 25 — Aug. 18, 1949 24 — Aug. 31, 1949 24 — Aug. 31, 1949 32 — Aug. 31, 1949 34 — Aug. 31, 1949 34 — Aug. 31, 1949 34 — Aug. 32, 1945 49 — Aug. 33, 1949 34 — Aug. 34, 1947 36 — Aug. 37, 1948 36 — Aug. 38, 1949 32 — Aug. 38, 1949 32 — Aug. 39, 1949 34 — Aug. 31, 1946 36 — Aug. 31, 1947 30 — Aug. 31, 1946 36 — Aug. 32, 1945 10 — Aug. 32, 1945 1 | | | | | | | Aug. 12, | 1947 | 18 | |
| Aug. 30, 1948 22 | | • | | | | | July 28, | 1948 | | |
| July 12, 1949 20 | | _ | | | | | | | | _ |
| July 19, 1949 19 | | • | | | | | July 13, | 1950 | 16 | 51.6 |
| Aug. 3, 1949 20 — Aug. 30, 1949 18 — Sept. 20, 1949 18 — Sept. 20, 1949 18 — Sept. 20, 1949 18 — Supul 28, 1948 26 — Sept. 20, 1949 18 — Sept. 20, 1949 15 — Sept. 20, 1945 26 — Aug. 14, 1947 28 — Aug. 12, 1948 28 — Sept. 19, 1949 26 — Sept. 19, 1949 27 — Aug. 18, 1945 17 — Sept. 20, 1949 18 — Aug. 14, 1947 18 — Aug. 14, 1947 18 — Aug. 31, 1948 23 — Aug. 31, 1949 22 — Aug. 31, 1949 22 — Aug. 31, 1949 24 — Aug. 30, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 30 — Aug. 31, 1948 31 — Aug. 32, 1945 19 — Aug. 32, 1945 13 — Aug. 31, 1947 20 — Aug. 31, 1948 21 — Aug. 31, 1948 22 — Aug. 31, 1949 22 — Aug. 31, 1949 22 — Aug. 31, 1949 32 — Aug. 31, 1948 33 — Aug. 31, 1948 33 — Aug. 32, 1945 49 — Aug. 32, 1946 38 — Aug. 23, 1945 49 — Aug. 32, 1945 49 — Aug. 32, 1946 38 — Aug. 32, 1945 49 — Aug. 32, 1946 38 — Aug. 32, 1946 38 — Aug. 32, 1947 49 — Aug. 32, 1946 38 — Aug. 32, 1946 30 — Aug. | | • | | | | \$1930 | (F-17) | Johr | C Neins | tedt Sound |
| Aug. 16, 1949 24 — Aug. 30, 1949 18 — Aug. 14, 1947 20 — July 28, 1948 26 — Sept. 20, 1949 18 — July 11, 1946 18 — Aug. 14, 1947 20 — Aug. 15, 1947 15 — Aug. 15, 1945 26 — Aug. 14, 1947 28 — Aug. 12, 1948 28 — Aug. 12, 1948 28 — Sept. 19, 1949 26 — July 13, 1950 24 51.4 S1912. (F-16.) W. Weckesser, Oak Hills, Riverhead. Aug. 14, 1947 18 — Aug. 31, 1948 23 — Aug. 14, 1947 18 — Aug. 31, 1948 23 — Aug. 14, 1947 18 — Aug. 31, 1948 22 — Aug. 31, 1949 22 — Aug. 31, 1949 22 — Aug. 31, 1949 24 — Aug. 30, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 14, 1946 38 — Aug. 21, 1947 26 — Sept. 20, 1949 20 — July 11, 1946 38 — Aug. 21, 1947 26 — Sept. 20, 1949 20 — July 21, 1946 38 — Aug. 21, 1947 26 — Sept. 20, 1949 20 — Sept. 20, 1949 | | • | | | | DIOO. | , , | | | |
| Aug. 30, 1949 18 — July 28, 1948 26 — July 13, 1950 16 — Aug. 14, 1947 20 — July 11, 1946 15 — Aug. 14, 1947 18 — Aug. 31, 1948 23 — Aug. 31, 1948 23 — Aug. 31, 1948 23 — Aug. 31, 1949 22 — Aug. 31, 1949 22 — Aug. 31, 1949 24 — Aug. 30, 1949 24 — Aug. 31, 1946 36 — Aug. 13, 1946 36 — Aug. 31, 1948 24 — Aug. 30, 1949 24 — Aug. 31, 1946 36 — Aug. 13, 1947 20 — July 11, 1946 16 — Aug. 13, 1947 20 — July 27, 1948 17 — Sept. 20, 1949 20 — July 27, 1948 20 — Sept. 20, 1949 20 — July 27, 1948 20 — Sept. 20, 1949 20 — July 20, | | • | | | | | | | | |
| Sept. 20, 1949 18 | | • | | | | | - | | | |
| Signature Sign | | • | | | | | • | | | |
| Elwood. Ave., Baiting Hollow. July 11, 1946 20 — Aug. 15, 1947 15 — July 11, 1946 20 — Aug. 14, 1947 20 — July 28, 1948 26 — July 17, 1946 26 — Aug. 14, 1947 28 — Aug. 12, 1948 28 — Sept. 19, 1949 26 — July 13, 1950 24 51.4 Silverhead. July 11, 1946 15 — Aug. 14, 1947 18 — Aug. 14, 1947 18 — Aug. 14, 1947 18 — Aug. 31, 1948 23 — Sept. 19, 1949 22 — July 11, 1946 20 — July 27, 1948 20 — July 27, 19 | | Sept. 20, | 1949 | 18 | | | July 28, | 1948 | 20 | |
| Aug. 15, 1945 26 | S1842. | | Louis | DeLeci, E | lwood Road, | S1931. | | | | stedt, Sound |
| Aug. 15, 1945 26 | | Δ11σ 15 | 1047 | 15 | | | July 11, | 1946 | 20 | |
| Single Norm | | Aug. 10, | 1011 | | | | • . | | 20 | |
| Aug. 15, 1945 26 — Aug. 14, 1947 28 — Aug. 12, 1948 28 — Sept. 19, 1949 26 — Silverhead. Aug. 18, 1945 17 — Aug. 18, 1945 17 — Aug. 14, 1947 18 — Aug. 14, 1947 18 — Aug. 31, 1948 23 — Aug. 31, 1949 22 — Aug. 30, 1949 24 — Aug. 31, 1950 16 — Silverhead. Aug. 23, 1945 10 — Aug. 18, 1946 22 — Sept. 19, 1949 20 — Aug. 31, 1948 23 — Aug. 31, 1948 23 — Aug. 31, 1948 25 — Aug. 31, 1949 26 — Aug. 31, 1949 27 — Aug. 30, 1949 24 — Aug. 31, 1950 16 — Silverhead. Aug. 23, 1945 49 — Aug. 24, 1947 26 — Aug. 25, 1945 49 — Aug. 26, 1945 49 — Aug. 27, 1948 22 — Aug. 28, 1945 49 — Aug. 29, 1945 49 — Aug. 20, 1946 40 — Aug. 20, | S1892. | | H. N | leyjes, Rile | y Ave., Cal- | G10F1 | July 28, | 1948 | | |
| July 17, 1946 26 — Aug. 14, 1947 28 — Aug. 12, 1948 28 — Sept. 19, 1949 26 — July 13, 1950 24 51.4 S1912. (F-16.) W. Weckesser, Oak Hills, Riverhead. Weckesser, Oak Hills, Property of the property | | Δ11σ 15 | 1045 | 26 | | 81951. | | | ichroat, P | uiaski bivu., |
| Aug. 14, 1947 28 — Aug. 12, 1948 28 — Sept. 19, 1949 26 — July 13, 1950 24 51.4 S1912. (F-16.) W. Weckesser, Oak Hills, Riverhead. — Aug. 18, 1945 17 — July 11, 1946 15 — Aug. 14, 1947 18 — Aug. 31, 1948 23 — July 12, 1949 18 — Aug. 3, 1949 22 — Aug. 30, 1949 22 — Aug. 30, 1949 24 — Sept. 20, 1949 20 — July 13, 1950 16 — S1926. (F-17.) Sound Dredging Co., Sound Ave., Riverhead. — July 11, 1945 4 — Aug. 12, 1947 18 6 — Aug. 23, 1945 10 — July 11, 1946 22 — July 27, 1948 22 — Sept. 19, 1949 20 — July 13, 1950 18 — S2017. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 1, Reeves Park. Aug. 22, 1945 13 — Aug. 22, 1945 13 — July 11, 1946 16 — Aug. 13, 1947 20 — July 13, 1950 16 — S2018. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park. Aug. 23, 1945 49 — July 11, 1946 38 — Aug. 23, 1945 49 — July 11, 1946 38 — Aug. 23, 1945 49 — July 11, 1946 38 — Aug. 12, 1947 26 — | | | | | | | Greemay | VII. | | |
| Aug. 12, 1948 28 — Sept. 19, 1949 26 — July 13, 1950 24 51.4 S1912. (F-16.) W. Weckesser, Oak Hills, Riverhead. Aug. 18, 1945 17 — July 11, 1946 15 — Aug. 14, 1947 18 — Aug. 31, 1948 23 — July 12, 1949 18 — Aug. 31, 1949 22 — Aug. 3, 1949 22 — Aug. 16, 1949 24 — Aug. 30, 1949 24 — Sept. 20, 1949 20 — July 13, 1950 16 — S1926. (F-17.) Sound Dredging Co., Sound Ave., Riverhead. July 11, 1946 38 — Aug. 18, 1947 8 — S2010. (F-17.) E. C. Griffin & Son, Park Road, Reeves Park. Aug. 23, 1945 10 — July 11, 1946 22 — Sept. 19, 1949 20 — July 13, 1950 18 — S2017. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 1, Reeves Park. Aug. 22, 1945 13 — July 11, 1946 16 — Aug. 13, 1947 20 — July 13, 1950 16 — S2018. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park. Aug. 23, 1945 49 — July 11, 1946 38 — July 11, 1946 38 — Aug. 23, 1947 26 — | | | | | | | Aug. 25, | 1945 | 6 | |
| Sept. 19, 1949 26 — July 13, 1950 24 51.4 S2010. (F-17.) E. C. Griffin & Son, Park Road, Reeves Park. S1912. (F-16.) W. Weckesser, Oak Hills, Riverhead. Aug. 23, 1945 10 — July 11, 1946 22 — July 11, 1946 22 — July 11, 1946 22 — Sept. 19, 1949 20 — July 11, 1946 15 — July 11, 1946 15 — July 13, 1950 18 — Sept. 19, 1949 20 — July 13, 1950 18 — S2017. Aug. 31, 1948 23 — Aug. 31, 1948 23 — Aug. 31, 1949 22 — Aug. 3, 1949 22 — Aug. 3, 1949 22 — Aug. 16, 1949 24 — Aug. 16, 1949 24 — Aug. 16, 1949 24 — Aug. 30, 1949 24 — Aug. 13, 1947 20 — July 11, 1946 16 — Aug. 13, 1947 20 — July 27, 1948 17 — Sept. 20, 1949 20 — July 13, 1950 16 — S2018. S2018. S1926. (F-17.) Sound Dredging Co., Sound Ave., Riverhead. Sund Dredging Co., Sound Ave., Riverhead. S2018. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park. July 11, 1945 4 — July 11, 1946 38 — July 11, 1946 38 — Aug. 12, 1947 26 — July 11, 1946 38 — Aug. 12, 1947 26 — Aug. 12, 1948 22 — Aug. 12, 1948 22 — Aug. 12, 194 | | - | | | | | Aug. 18, | 1947 | 8 | |
| Signature Sign | | _ | | | | S2010 | (F-17) | E C | Griffin & | Son Park |
| Riverhead. July 11, 1946 22 — Aug. 18, 1945 17 — Sept. 19, 1948 22 — July 11, 1946 15 — July 13, 1950 18 — Aug. 14, 1947 18 — July 13, 1950 18 — Aug. 31, 1948 23 — S2017. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 1, Reeves Park. July 19, 1949 22 — Aug. 22, 1945 13 — Aug. 30, 1949 24 — Aug. 13, 1947 20 — Aug. 30, 1949 24 — Aug. 13, 1947 20 — July 13, 1950 16 — S2018. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park. S1926. (F-17.) Sound Dredging Co., Sound Ave., Riverhead. — S2018. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park. Aug. 23, 1945 49 — July 11, 1946 38 — July 11, 1946 38 — Aug. 12, 1947 26 — | | _ | | | 51.4 | 52010. | | | | |
| Riverhead. July 11, 1946 22 — Aug. 18, 1945 17 — July 27, 1948 22 — July 11, 1946 15 — Sept. 19, 1949 20 — Aug. 14, 1947 18 — July 13, 1950 18 — Aug. 31, 1948 23 — S2017. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 1, Reeves Park. July 19, 1949 22 — Aug. 22, 1945 13 — Aug. 3, 1949 22 — Aug. 22, 1945 13 — Aug. 30, 1949 24 — Aug. 13, 1947 20 — Sept. 20, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — S2018. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park. S1926. (F-17.) Sound Dredging Co., Sound Ave., Riverhead. Sund Dredging Co., Sound Ave., Riverhead. July 11, 1945 4 — Aug. 12, 1947 26 — | S1912 | . (F-16.) | W. | Weckesser | Oak Hills, | | Aug. 23, | 1945 | 10 | |
| Aug. 18, 1945 17 — Sept. 19, 1948 22 — July 11, 1946 15 — July 13, 1950 18 — Aug. 31, 1948 23 — July 13, 1950 18 — July 12, 1949 18 — Park Road, No. 1, Reeves Park Beach Co., Inc., July 19, 1949 22 — Aug. 22, 1945 13 — Aug. 30, 1949 24 — Aug. 13, 1947 20 — Aug. 30, 1949 24 — Aug. 13, 1947 20 — Sept. 20, 1949 20 — July 27, 1948 17 — Sept. 20, 1949 20 — July 27, 1948 17 — Sept. 20, 1949 20 — July 27, 1948 17 — Sept. 20, 1949 20 — Sept. 20, 1948 17 — Ave., Riverhead. — Seves Park Road, No. 3, Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park. Aug. 23, 1945 49 — July 11, 1946 38 — July 11, 1946 38 — Aug. 12, 1947 <td></td> <td></td> <td></td> <td></td> <td>,</td> <td></td> <td>•</td> <td></td> <td>22</td> <td></td> | | | | | , | | • | | 22 | |
| July 11, 1946 15 — July 13, 1950 18 — Aug. 14, 1947 18 — Aug. 31, 1948 23 — S2017. (F-17.) Reeves Park Beach Co., Inc., July 19, 1949 18 — Park Road, No. 1, Reeves Park. July 19, 1949 22 — July 11, 1946 16 — Aug. 30, 1949 24 — Aug. 13, 1947 20 — Aug. 30, 1949 24 — Aug. 13, 1947 20 — Sept. 20, 1949 20 — July 13, 1950 16 — S2018. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park. Aug. 23, 1945 49 — July 11, 1946 38 — Aug. 12, 1947 26 — | | | | | | | July 27, | 1948 | 22 | |
| Aug. 14, 1947 18 — S2017. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 1, Reeves Park. July 19, 1949 22 — Aug. 3, 1949 22 — July 11, 1946 16 — Aug. 16, 1949 24 — Aug. 30, 1949 24 — Aug. 30, 1949 20 — July 13, 1950 16 — S2018. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 1, Reeves Park. S1926. (F-17.) Sound Dredging Co., Sound Ave., Riverhead. July 11, 1945 4 — July 11, 1946 38 — Aug. 12, 1947 26 — Aug. 12, 1947 26 — | | _ | | | | | Sept. 19, | 1949 | 20 | |
| Aug. 31, 1948 23 — S2017. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 1, Reeves Park. July 19, 1949 22 — Aug. 3, 1949 22 — July 11, 1946 16 — Aug. 16, 1949 24 — Aug. 30, 1949 24 — Aug. 30, 1949 20 — July 13, 1950 16 — Sept. 20, 1949 20 — July 13, 1950 16 — S2018. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park Beach Co., Inc | | | | | | | July 13, | 1950 | 18 | |
| July 12, 1949 18 — Park Road, No. 1, Reeves Park. July 19, 1949 22 — Aug. 22, 1945 13 — Aug. 3, 1949 22 — July 11, 1946 16 — Aug. 30, 1949 24 — Aug. 13, 1947 20 — Sept. 20, 1949 20 — July 27, 1948 17 — Sept. 20, 1949 20 — (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park. S2018. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park. Aug. 23, 1945 49 — July 11, 1946 38 — July 11, 1946 38 — Aug. 12, 1947 26 — | | | | | | 52017 | (F-17 | Reeve | es Park Re | ach Co. Inc |
| July 19, 1949 22 — Aug. 22, 1945 13 — July 11, 1946 16 — Aug. 16, 1949 24 — Aug. 30, 1949 24 — Aug. 30, 1949 24 — July 27, 1948 17 — Sept. 20, 1949 20 — July 13, 1950 16 — S2018. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park. S1926. (F-17.) Sound Dredging Co., Sound Ave., Riverhead. July 11, 1946 38 — July 11, 1946 38 — Aug. 12, 1947 26 — | | _ | | | | 52017 | | | | |
| Aug. 3, 1949 22 — July 11, 1946 16 — Aug. 16, 1949 24 — Aug. 30, 1949 24 — July 27, 1948 17 — July 13, 1950 16 — S2018. S1926. (F-17.) Sound Dredging Co., Sound Ave., Riverhead. July 11, 1945 4 — July 11, 1946 38 — Aug. 12, 1947 26 — | | | | | | | | au, 110. | | |
| Aug. 16, 1949 24 — Aug. 13, 1947 20 — July 13, 1950 16 — S2018. (F-17.) Sound Dredging Co., Sound Ave., Riverhead. July 11, 1945 4 — Aug. 13, 1947 20 — July 27, 1948 17 — S2018. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park. July 11, 1945 4 — July 11, 1946 38 — Aug. 12, 1947 26 — | | - | | | | | _ | | | |
| Aug. 30, 1949 24 — Sept. 20, 1949 20 — July 13, 1950 16 — S1926. (F-17.) Sound Dredging Co., Sound Ave., Riverhead. July 11, 1945 4 — Aug. 12, 1947 26 — Aug. 12, 1947 26 — | | | | | | | | | | |
| Sept. 20, 1949 20 — July 13, 1950 16 — S1926. (F-17.) Sound Dredging Co., Sound Ave., Riverhead. — July 11, 1945 4 — S2018. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park. Aug. 23, 1945 49 — July 11, 1946 38 — Aug. 12, 1947 26 — | | | | | | | | | | |
| July 13, 1950 16 S2018. (F-17.) Reeves Park Beach Co., Inc., Park Road, No. 3, Reeves Park. S1926. (F-17.) Sound Dredging Co., Sound Ave., Riverhead. Park Road, No. 3, Reeves Park. July 11, 1945 July 11, 1946 38 Aug. 12, 1947 26 — | | | | | | | July 27, | 1948 | 17 | |
| S1926. (F-17.) Sound Dredging Co., Sound Aug. 23, 1945 49 — Ave., Riverhead. July 11, 1946 38 — July 11, 1945 4 — Aug. 12, 1947 26 — | | - | | | _ | S2018 | | | | |
| Ave., Riverhead. July 11, 1945 4 — Aug. 23, 1943 43 — Aug. 12, 1947 26 — Aug. 12, 1947 | C100C | /TO 177 \ | C | d Decdein | - Co - Cod | | Park Ro | ad, No. | 3, Reeves | Park. |
| July 11, 1945 4 — Aug. 12, 1947 26 — | 21970 | | | | g co., sound | | Aug. 23 | , 1945 | | _ |
| | | Ave., KIV | a | ı. | | | - | | | |
| Aug. 22, 1945 24 — July 27, 1948 28 — | | July 11, | 1945 | 4 | | | _ | | | |
| | | Aug. 22, | 1945 | 24 | | | July 27 | , 1948 | 28 | |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| S2099 | (F-17.) A. A. B. ing & Heating C Riverhead. | * | | S2475 | Home | e, Yaphan | k. | iffolk County |
|--------|---|--------------------|-------------|--------|---------------------|---|--------------------------|--------------------------|
| • | Date of | Chloride Te | mperature | | | Date of ollection | (ppm) | Temperature (°F) |
| | collection Sont 4 1045 | (ppm) | (°F) | | Nov. | 1, 1949 | 8 | |
| | Sept. 4, 1945 July 16, 1946 Aug. 15, 1947 | 14 26 20 | <u> </u> | S2476 | | | ookhaven N No. 1, Bro | ational Lab- okhaven. |
| | July 30, 1948 Sept. 19, 1949 July 13, 1950 | 38 40 20 | | | - | 10, 1948 21, 1948 9, 1953 | $12 \\ 5.1 \\ 7$ | _ _ |
| S2150 | Corp., Well 7, Mar. 13, 1946 | | Supply | S2485 | . (E- | 15.) For | | Island Rail- naven. |
| S2229 | . (G-26.) Mont Corp., Well 9, M | tauk Water | Service | | May Dec. Mar. | 27, 1948 5, 1950 7, 1952 | 4.8 6 4 | |
| S2331 | July 27, 1946 . (F-18.) H. F. Aquebogue. | 35 . Corwin, Ma | in Road, | S2534 | | 17.) Reeves Park | | ark Rd., No. |
| | Aug. 16, 1945 | 17 | | | _ | 22, 1945 | 21 | _ |
| | July 15, 1946 | 14 | | | • | 11, 1946 | 18 | |
| | Aug. 13, 1947 | 20 | | | _ | 12, 1947 | 30 | |
| | July 26, 1948 | 24 | | | | 27, 1948 | 19 | |
| S2365 | . (E-18.) E. G. Riverhead Estate | | aple St., | S2570 | | 23.) Hon Hampton. | ne Water C | Corp., No. 7, |
| | Sept. 4, 1945 | 8 | | | Mar. | 3, 1946 | 16 | 51.0 |
| | July 17, 1946 Aug. 12, 1948 | 16 14 | _ | S2586 | | | G. Meyers Ave., Baiti | , Driftwood |
| S2370 | . (F-18.) N. F | Barowitz, Mai | n Road, | | | | | |
| | Aquebogue. | | | | _ | 16, 1945 | 11 | _ |
| | Aug. 23, 1945 | 15 | _ | | | 11, 1946 12, 1947 | $\frac{12}{12}$ | |
| | July 16, 1946 | 16 | | | _ | 30, 1948 | 16 | |
| | Aug. 13, 1947 July 30, 1948 | $\frac{18}{22}$ | | S2587. | | • | | Sound Ave., |
| S2374. | (E-18.) C. W. Flanders. | Cuhns, Flanc | lers Rd., | | Baitin | g Hollow. | | • |
| | Aug. 21, 1945 | 12 | | | _ | 16, 1945 | 13 | |
| | July 17, 1946 | 12 | | | - | 11, 1946 | 18 | |
| S2402 | (F-23.) Home | | No. 2 | | _ | 12, 1947 30, 1948 | $\frac{20}{16}$ | _ |
| 52102. | East Hampton. | | | S2588. | (F-1 | l6.) A. C | | Sound Ave., |
| COACE | Mar. 3, 1946 | 16 | 51.0 | | Oak I | 111IS. | | |
| 52407 | - S2468. (D-14.) | | ty Home | | - | 11, 1946 | 14 | |
| | & Infirmary, Yap Nov. 1, 1949 | | | | _ | 12, 1947 | 15 | |
| | Nov. 1, 1949 | 8 | | | Aug. | 30, 1948 | 18 | _ |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| 2645. (F-16.) Suffol Sound Ave., Oak | | Boy Scouts, | 52001. | | Date o | | | shore. Temperature |
|---|---|--------------|---|--------------|--------|-------------|-------------|-----------------------|
| Date of | | Temperature | | | llecti | | (ppm) | (°F) |
| collection | (ppm) | (°F) | | July | | | 7 | 50.6 |
| July 11, 1946 | 12 | | | July | | | 8 | 53.3 |
| Aug. 12, 1947 | 10 | | | Aug. | | | | 51.1 |
| 2654. (F-17.) I. M. | Young Roa | noke Ave | | Aug. | | | _ | 51.5 |
| Riverhead. | 104118, 1000 | | | Aug. | | | 6 | 48.1 |
| | 10 | | | Aug. | | | | 52.1 |
| Aug. 18, 1945 | $\begin{array}{c} 19 \\ 22 \end{array}$ | | | Aug. | | | | 52.6 |
| July 11, 1946 | 30 | | | Sept. | | | _ | 52.8 |
| Aug. 13, 1947 | | | | Sept. | | | 7 | 52.7 |
| Aug. 29, 1948 | 24 | | | Oct. | | 1941 | | 53.5 |
| 2676. (F-19.) Willia | am A. Lino | isay, Matti- | | Oct. | | | _ | 53.0 |
| tuck. | | | | Oct. | | | 6 | 53.1 |
| Sept. 7, 1948 | 22 | | | Oct. | | | | 53.0 |
| Sept. 14, 1949 | 12 | | | Nov. | | | | 53.0 |
| July 12, 1950 | 16 | 51.1 | | Nov. | | 1941 | _ | 52.9 |
| July 7, 1952 | 42 | | | | | 1941 | 6 | 5 2.5 |
| 2778. (F-18.) L. H | Commin | Main Road | | | | 1941 | | 52.2 |
| Aquebogue. | COI WIII, | main itoau, | | | | 1941 | | 52.0 51.7 |
| | | | | Dec. | | 1941 | | 51.7 51.3 |
| Aug. 17, 1945 | 15 | | | | | 1941 | 4 | 51.5 50.8 |
| July 15, 1946 | 16 | | | | , , | 1941 | | 50.6 50.5 |
| Aug. 12, 1947 | 20 | | | | | 1941 | | 50.5 50.1 |
| 32815. (D-16.) Vitol | bello, Chich | nester Ave., | | Jan. | | 1942 | | 49.4 |
| Center Moriches | i. | | | | | 1942 | 9 | 49.4 |
| Mar. 3, 1950 | 12 | | | | | 1942 | 9 | 49.2 |
| Aug. 8, 1951 | 8 | | | Jan. | | 1942 | | 48.5 |
| Nov. 21, 1952 | 6 | | | Jan. | | 1942 | 8 | 10.0 |
| S2838. (F-18.) H. H. | | n Rd Aque- | | Feb. Mar. | | 1942 1942 | 7 | |
| bogue. | ,, 0120, 1,201 | | S3002 | | | | bylenski, I | Middle Coun |
| Aug. 16, 1945 | 33 | | | • | | , Calver | | |
| July 16, 1946 | 24 | | | • | | 1945 | 10 | |
| Aug. 13, 1947 | 24 | | | | | 1946 | | |
| Aug. 16, 1948 | 20 | | | - | | 1947 | 19 | |
| S2840. (F-16.) W. S | | ak Hills. | | _ | | 1948 | 18 | |
| Aug. 17, 1945 | 14 | <u>—</u> | S3003 | . (F | -17.) | Reev | es Park, | Sound Ave |
| Aug. 14, 1947 | 15 | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | • | | eeves P | | |
| Aug. 31, 1948 | 15 | | | | | 1945 | 17 | |
| S2978-S3012. (E-9.) N | | Vater Works | S3012 | _ | | | | r Works Co |
| Co., south side | | | | | | | | n St., Rout |
| Route 25A, we | | | | | | | | Ave., North |
| Northport. (No. | | | | port | | | | |
| | | | | _ | | | | |
| Mar. 27, 1946 | 6 | 51.0 | | Mar. | 27. | 1946 | 6 | 51.0 |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| S3045 | side Main Ro Rd., Southold | d., east of So | | S3278 | Aqueb | ogue. | | Church Lane, |
|--------|-------------------------------|----------------|---------------|--------|-----------------|-----------------------|-------------------|------------------|
| | Date of collection | Chloride | Temperature | | coll | ate of lection | Chloride (ppm) | Temperature (°F) |
| | | (ppm) | (°F) | | _ | 23, 1945 | 17 | |
| | Mar. 22, 194 | | 53.0 | | • | 16, 1946 | 14 | |
| | Sept. 13, 1949 | | — (3) | | _ | 13, 1947 | 15 | |
| | July 11, 195 | | 52.9 | | July 3 | 30, 1948 | 14 | |
| | July 7, 195 | $2 \qquad 32$ | | S3405 | . (E-1 | 5.) Broo | khaven N | National Lab- |
| S3046 | . (F-18.) Ar Lane, Aquebo | | ıski, Church | | Brookl | naven. | e plant | supply well, |
| | Aug. 16, 194 | 5 28 | | | • | 3, 1948 | 5.6 | |
| | July 16, 1940 | | | | | .6, 1951 | 6 | |
| | Aug. 13, 194 | | | | Jan. 1 | 5, 1953 | 5 | |
| | Aug. 13, 194 | 8 28 | | S3418. | (E-18 Riverh | | Army, N | Ioriches Rd., |
| S3062 | . (G-26.) M | | er Supply | | | | 10 | |
| | Corp., Montai | uk. | | | _ | 21, 1945 7, 1946 | 10 8 | |
| | July 27, 1946 | 3 24 | | G0.40m | | | | |
| S3069 | . (E-18.) R. | S. McDonal | | S3487. | | 3.) U.S Northville | | Sound Shore |
| | Rd. and Fla | nders Blvd., | Riverhead | | Aug. | 2, 1945 | 23 | |
| | Estates. | | | \$3554 | | | | ard, Eaton's |
| | Aug. 21, 1945 | 5 16 | | Dood. | Neck S | | Coasi Gu | iaiu, Eaton S |
| | July 17, 1946 | | | | | | | |
| | Aug. 14, 1947 | | | | | 2, 1943 | 35 | |
| | Sept. 22, 1949 | | | S3570. | (F-17) | 7.) J. Baln | is, Reeves | Ave., River- |
| | Sept. 22, 1949 | 9 12 | | | head. | | | |
| S3090. | (F-18.) B. | Zaloga, Main | Rd. Aque- | | Aug. 2 | 1, 1945 | 18 | |
| | bogue. | | , 11440 | | July 1 | 6, 1946 | 18 | |
| | Aug. 18, 1945 | 5 17 | | | Aug. 1 | 4, 1947 | 30 | |
| | July 18, 1946 | | | | July 2 | 7, 1948 | 27 | |
| | Aug. 13, 1947 | | | S3588- | S3589. | (G-20.) | J M Lu | pton & Son, |
| | July 30, 1948 | | _ | | | m Farm, | | |
| S3197. | | ookhaven Na | tional Tab | | | 4, 1948 | 26 | |
| 50151. | oratory, Well | | | S3615. | (G-26 | B.) Mont | auk Wa | |
| | April 16, 1948 | 4.8 | | | Corp., | Flamingo | Drive a | t Reservoir, |
| | Dec. 15, 1950 | 7 | | | Montau | ık Point. | | |
| | Jan. 9, 1953 | 4 | | | Mar. 1 | 3, 1946 | 30 | 50.4 |
| S3277. | (F-18.) F. | F. & C. T. F | Reeve. Main | S3627. | (F-18 |) L Far | ning Sou | ınd & Union |
| | Road, Aquebo | gue. | | | | Northville | | ing & Omon |
| | Aug. 18, 1945 | | | | Aug. 2 | 3, 1945 | 112 | |
| | July 15, 1946 | | | | _ | 0, 1946 | 28 | |
| | Aug. 13, 1947 | | | | Aug. 12 | 2, 1947 | 28 | |
| | July 30, 1948 | 28 | . | | Aug. 29 | 9, 1948 | 40 | |
| | | | | | | | | |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| | . (F-18.) L. Fan Aves., Northville | ning, Sound | l & Union | S3721. | (F-17.) W. K. Calverton. | lobylenski, N | Iiddle Rd., |
|-------|--|---|---------------------|----------------|--|--|---------------------|
| | Date of collection | Chloride To | emperature (°F) | | Date of collection | Chloride (ppm) | remperature (°F) |
| | Aug. 23, 1945 | 30 | | | Aug. 23, 1945 | 24 | |
| | July 10, 1946 | 32 | | | July 16, 1946 | 18 | |
| | Aug. 12, 1947 | 32 | | | Aug. 13, 1947 | 20 | |
| | Aug. 30, 1948 | 40 | | | Aug. 10, 1948 | 30 | |
| | | | | | July 12, 1949 | 21 | |
| S3639 |). (E-10.) U. S. | | dministra- | | July 19, 1949 | 20 | |
| | tion Facility, No | rthport. | | | Aug. 3, 1949 | 22 | |
| | Mar. 27, 1946 | 12 | 50.4 | | Aug. 16, 1949 | 24 | |
| ~~~= | | | | | Aug. 30, 1949 | 22 | |
| S3658 | , | auk Water | Service | S3722 | (F-17.) F. You | ısik. Middle | Rd., River- |
| | Corp., Montauk I | Point. | | 00122 | head. | | , |
| | Mar. 13, 1946 | 28 | | | | 10 | |
| COCO | 7 (II 01) Willow | o of Crooms | ont nonth | | Aug. 21, 1945 | 18 | |
| S3697 | | | | | July 16, 1946 | 18 | |
| | side North Rd. | | | | Aug. 13, 1947 | 20 | |
| | Rd., Station 4, E | ast Marion. | | | Aug. 3, 1948 | 20 | |
| | Aug. 25, 1949 | 22 | | S3723 | (G-20.) Isad | ore Krupski | , Main Rd., |
| | July 7, 1950 | 30 | 52.4 | | Peconic. | _ | |
| | Feb. 28, 1951 | 28 | | | | 25 | |
| | Mar. 28, 1951 | 29 | | | Sept. 13, 1948 | 35 | |
| | July 9, 1952 | 30 | | S3725 | . (G-26.) Mor | ntauk Wate | er Service |
| S3698 | 3. (H-21.) Villag | e of Greenr | ort north | | Corp., Montauk | • | |
| 50000 | side North Rd., | _ | | | Mar. 13, 1946 | 28 | |
| | Rd., Station 4, E | | • | | | | |
| | | | | S3726 | , | ntauk Wate | er Service |
| | Aug. 25, 1949 | 28 | | | Corp., Montauk | • | |
| | July 7, 1950 | 27 | 52.0 | | Mar. 13, 1946 | 28 | |
| S370 | 5. (F-18.) Georg | ge F. Naug | les, Sound | COTCA | . (F-18.) R. M | oKov Moin I | Rd (Unior |
| 2010 | Ave. and Herrich | ····· | esport. | 53104 | Ave.), Northvi | | .u., (Onioi |
| 5510 | Aug. 16, 1948 | 25 | | | July 18, 1946 | 28 | |
| 55100 | | | | | | | |
| | 6. (F-17.) A. L. Y | Young, 72 S | ound Ave., | | Aug. 13, 1947 | 40 | |
| S371 | | Young, 72 S | ound Ave., | | • | 40 28 | |
| | Riverhead. | | ound Ave., | 52765 | Aug. 13, 1947 July 26, 1948 | 28 | iddle Road |
| | Riverhead. July 10, 1946 | 12 | ound Ave., | S3765 | Aug. 13, 1947 July 26, 1948 (F-17.) C. M | 28 | iddle Road |
| | Riverhead. July 10, 1946 Aug. 12, 1947 | 12 20 | ound Ave., | S3765 | Aug. 13, 1947 July 26, 1948 (F-17.) C. M Riverhead. | 28 IcBurnie, M | iddle Road |
| | Riverhead. July 10, 1946 | 12 | ound Ave., —— —— —— | S3765 | Aug. 13, 1947 July 26, 1948 (F-17.) C. M. Riverhead. Aug. 21, 1945 | 28 AcBurnie, M | iddle Road |
| S371 | Riverhead. July 10, 1946 Aug. 12, 1947 Aug. 4, 1948 | 12 20 20 | | S3765 | Aug. 13, 1947 July 26, 1948 (F-17.) C. M Riverhead. Aug. 21, 1945 Aug. 18, 1947 | 28 McBurnie, M 18 19 | iddle Road |
| | Riverhead. July 10, 1946 Aug. 12, 1947 Aug. 4, 1948 | 12 20 20 | | S3765 | Aug. 13, 1947 July 26, 1948 (F-17.) C. Market Riverhead. Aug. 21, 1945 Aug. 18, 1947 Aug. 4, 1948 | 28 McBurnie, M 18 19 28 | |
| S371 | Riverhead. July 10, 1946 Aug. 12, 1947 Aug. 4, 1948 0. (F-17.) M. Baln head. | 12 20 20 20 ais, Reeves A | | S3765 S3766 | Aug. 13, 1947 July 26, 1948 (F-17.) C. M. Riverhead. Aug. 21, 1945 Aug. 18, 1947 Aug. 4, 1948 | 28 McBurnie, M 18 19 28 | |
| S371 | Riverhead. July 10, 1946 Aug. 12, 1947 Aug. 4, 1948 0. (F-17.) M. Balm head. Aug. 21, 1945 | 12 20 20 ais, Reeves A | | | Aug. 13, 1947 July 26, 1948 (F-17.) C. Market Riverhead. Aug. 21, 1945 Aug. 18, 1947 Aug. 4, 1948 | 28 McBurnie, M 18 19 28 ter Smith, F | |
| S371 | Riverhead. July 10, 1946 Aug. 12, 1947 Aug. 4, 1948 0. (F-17.) M. Balm head. Aug. 21, 1945 July 11, 1946 | 12 20 20 20 ais, Reeves A 40 34 | | | Aug. 13, 1947 July 26, 1948 (F-17.) C. M. Riverhead. Aug. 21, 1945 Aug. 18, 1947 Aug. 4, 1948 (F-18.) Wal Blvd., Riverhead | 28 McBurnie, M 18 19 28 ter Smith, Fad. | |
| S371 | Riverhead. July 10, 1946 Aug. 12, 1947 Aug. 4, 1948 0. (F-17.) M. Balm head. Aug. 21, 1945 | 12 20 20 ais, Reeves A | | | Aug. 13, 1947 July 26, 1948 (F-17.) C. M. Riverhead. Aug. 21, 1945 Aug. 18, 1947 Aug. 4, 1948 G. (F-18.) Wal | 28 McBurnie, M 18 19 28 ter Smith, F | |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| S3767. (F-17.) E. Koroleski, Reeves Ave., | S3845. (F-17.) Dan Donahue, Middle Coun |
|--|---|
| Riverhead. | try Road, Calverton. |
| Date of Chloride Temperature collection (ppm) (°F) | Date of Chloride Temperature collection (ppm) (°F) |
| Aug. 21, 1945 17 — | Aug. 15, 1945 18 — |
| July 16, 1946 20 — | July 17, 1946 20 — |
| Aug. 14, 1947 20 — | Aug. 14, 1947 25 — |
| July 28, 1948 22 — | Aug. 11, 1948 29 — |
| S3768. (F-18.) A. Ogeka, Riverside Drive, Riverhead. | S3876. (F-18.) J. Celic, Hubbard Avenue Riverhead. |
| Aug. 14, 1947 30 — | Aug. 21, 1945 20 — |
| S3779. (F-19.) Stanley Zaweski, Peconic | July 16, 1946 26 — |
| Bay Blvd., Jamesport. | Aug. 14, 1947 24 — |
| Aug. 16, 1948 24 | S3878. (F-17.) J. Danielowich, West Middle |
| S3789. (F-17.) C. C. Young, 57 Sound Ave., | Road, Calverton. |
| Riverhead. | July 16, 1946 20 — |
| July 11, 1946 30 — | Aug. 14, 1947 20 — |
| Aug. 12, 1947 22 | Aug. 16, 1948 20 — |
| S3800. (E-10.) South Bay Consolidated Water Co., Kings Park. | S3941. (E-16) A. Rychlincski, River Road, Calverton. |
| | |
| Mar. 15, 1946 10 50.1 | Aug. 15, 1945 25 — |
| S3813 to S3815. (C-12.) South Bay Con- | July 17, 1946 18 — Aug. 14, 1947 22 — |
| solidated Water Co., north side of Mon- | Aug. 14, 1947 22 — Aug. 11, 1948 19 — |
| tauk Highway, Route 27, west of Lo- | |
| cust Ave., Oakdale. | S3958. (F-17.) J. Karlin, Riley Ave., Calverton. |
| Mar. 14, 1946 8 50.2 | Aug. 18, 1945 18 — |
| Sept. 4, 1947 5.6 — | July 17, 1946 18 — |
| S3824. (F-18.) L. T. Wells, Sound Ave., | Aug. 14, 1947 20 — |
| Riverhead. | July 30, 1948 20 — |
| Aug. 17, 1945 28 | S3966. (F-19.) Chester R. Koloski, Route |
| July 10, 1946 26 — | 25, Laurel. |
| Aug. 12, 1947 30 | |
| July 29, 1948 28 | Sept. 3, 1948 23 — |
| Sept. 16, 1949 28 | July 12, 1949 17 — July 18, 1949 20 — |
| S3831. (D-11.) Central Islip State Hospital, | July 18, 1949 20 — Aug. 2, 1949 20 — |
| No. 1, Central Islip. | Aug. 15, 1949 20 — |
| Mar. 20, 1946 6 55.0 | Aug. 30, 1949 22 |
| S3832. (D-11.) Central Islip State Hospital, | Sept. 20, 1949 18 — |
| No. 2, Central Islip. | July 12, 1950 18 52.7 |
| Mar. 20, 1946 5 54.0 | July 7, 1952 20 — |
| | |
| S3835. (D-11.) Central Islip State Hospital, | S3980-S4002. (D-13.) South Bay Consoli- |
| · | S3980-S4002. (D-13.) South Bay Consolidated Water Co., Patchogue. |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| S4003 to S4022. (C-10.) South Bay Consolidated Water Co., south of intersection of 5th Ave. and Clinton Ave., Bayshore. | S4067. (F-17.) S. Kozok, Reeves Ave., River head. Date of Chloride Temperature (ppm) (°F) |
|---|---|
| Date of Chloride Temperature | Aug. 21, 1945 23 |
| collection (ppm) (°F) | July 16, 1946 24 |
| Mar. 13, 1946 8 52.0 | Aug. 14, 1947 20 — |
| Sept. 4, 1947 7.2 — | July 27, 1948 26 — |
| S4025. (F-18.) G. Naugles, 145 Sound Ave., Riverhead. | S4068. (F-17.) J. Kaelin, Roanoke Ave. Riverhead. |
| Aug. 18, 1945 25 — | |
| July 12, 1946 20 — | Aug. 18, 1945 40 — |
| Aug. 15, 1947 30 — July 29, 1948 28 — | July 16, 1946 30 |
| | Aug. 13, 1947 30 |
| S4027. (G-19.) Stanley Simchick, Alvah | Aug. 3, 1948 30 |
| Lane, Cutchogue. Sept. 4, 1945 38 — July 17, 1946 28 — | S4077. (F-17.) Mrs. A. Yakaboski, Mair Road, Cutchogue. |
| Aug. 15, 1947 30 — | Aug. 15, 1945 20 |
| Aug. 16, 1948 28 — | July 17, 1946 22 |
| S4028. (C-10.) New York Water Service | Aug. 11, 1948 22 |
| Corp., No. 1, Babylon. Mar. 13, 1946 12 51.0 | S4078. (F-18.) S. Blasco, Youngs Ave., Calverton. |
| S4031-S4831. (C-10.) New York Water | Aug. 15, 1945 23 |
| Service Corp., South group of wells at | July 17, 1946 6 |
| Smith St. pumping station, Babylon, | Aug. 11, 1948 24 |
| (No. 4), (No. 6). Sept. 29, 1947 6.2 — | S4079. (F-18.) P. Zaweski, Pier Ave., River head. |
| S4038-S4043. (D-18.) South Bay Consoli- | Aug. 18, 1945 25 |
| dated Water Co., north side of Meet- inghouse Rd., west of Railroad station | Aug. 15, 1947 25 — |
| and on south side of Long Island Rail- | July 30, 1948 26 — |
| road, Westhampton Beach. Sept. 4, 1947 5.8 — | S4080. (F-16.) L. Adamezeski, River Rd. Calverton. |
| S4048. (F-17.) O. De Friest, Sound Ave., | July 17, 1946 22 |
| Baiting Hollow. | Aug. 14, 1947 20 |
| | Aug. 11, 1948 12 |
| July 11, 1946 16 — July 27, 1948 26 — | C4001 (E10) I Colic Dongon Avo Moi |
| | S4081. (F-19.) J. Celic, Bergen Ave., Mattituck. |
| S4066. (F-17.) V. Zilnicke, Roanoke Ave., Riverhead. | |
| | Aug. 22, 1945 27 — |
| July 16, 1946 26 — | July 17, 1946 28 — |
| Aug. 13, 1947 25 — Aug. 3, 1948 30 — | Aug. 13, 1947 30 Aug. 16, 1948 36 |
| Aug. 0, 1910 00 | Aug. 10, 1910 30 |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| S4082. (F-18.) F. Doroski, West Lane, Aquebogue. | S4090. (F-17.) A. Yousik, Reeves Avenue, Riverhead. |
|---|---|
| Date of Chloride Temperature collection (ppm) (°F) | Date of Chloride Temperature collection (ppm) (°F) |
| Aug. 16, 1945 24 — | Aug. 21, 1945 30 — |
| July 16, 1946 22 — | July 16, 1946 22 — |
| Aug. 13, 1947 25 — | Aug. 14, 1947 11 — |
| Aug. 16, 1948 26 — | July 28, 1948 22 — |
| Sept. 1, 1949 28 — | S4091. (G-20.) Baron Hill, Youngs Avenue, Southold. |
| S4083. (F-16.) M. Czygier, Middle Country | |
| Road, Calverton. | Sept. 5, 1945 24 — |
| Aug. 15, 1945 9 — | July 12, 1946 30 — |
| July 17, 1946 18 — | Aug. 13, 1947 30 — |
| Aug. 14, 1947 20 — | Sept. 13, 1948 37 — |
| Aug. 12, 1948 18 — | Sept. 13, 1949 40 — |
| S4084. (F-18.) J. Gatz, 128 Sound Ave., | July 11, 1950 83 53.0 July 9, 1952 918 — |
| Riverhead. | S4091R. (G-20.) Baron Hill, Youngs Ave., |
| Aug. 17, 1945 34 — | Southold. (Replacement well for and |
| July 11, 1946 10 — | 500' west of S4091 same depth and |
| Aug. 15, 1947 30 — | diameter.) |
| | July 25, 1953 34 — |
| S4086. (F-17.) W. Koroleski, Reeves Ave., Riverhead. | S4097. (F-17.) K. F. Terry, Sound Ave., |
| July 16, 1946 18 — | Riverhead. |
| Aug. 14, 1947 18 — | Aug. 21, 1945 18 — |
| July 28, 1948 26 — | July 11, 1946 18 — |
| S4087. (F-17.) E. Sujeski, Twomey Ave., | Aug. 12, 1947 18 — Aug. 4, 1948 23 — |
| Calverton. | Aug. 4, 1948 23 — S4105-S4106. (E-12.) Cedar Grove Park, |
| Aug. 15, 1945 21 — | Ronkonkoma. |
| July 17, 1946 16 — | Mar. 7, 1946 20 45.0 |
| Aug. 14, 1947 18 — | S4112. (D-8.) New York State Institute of |
| Aug. 10, 1948 28 — | Applied Agriculture, Farmingdale. |
| S4088. (F-17.) P. M. Hogan, Twomey Ave., Calverton. | Mar. 28, 1946 6 51.0 |
| | S4116. (F-18.) E. Young, 91 Sound Ave., |
| Aug. 15, 1945 20 — | Riverhead. |
| July 17, 1946 24 — | Aug. 17, 1945 26 — |
| Aug. 14, 1947 28 — | July 10, 1946 24 — |
| Aug. 10, 1948 30 — | Aug. 12, 1947 26 — |
| S4089. (F-17.) C. McKay, Middle Rd., Cal- | Sept. 1, 1948 30 — |
| verton. | S4122. (F-18.) R. J. Goodale & Sons, Main |
| Aug. 21, 1945 19 — | Road, Aquebogue. |
| July 17, 1946 24 — | Aug. 16, 1945 16 — |
| Aug. 13, 1947 25 — | July 15, 1946 24 — |
| Aug. 9, 1948 22 — | July 26, 1948 30 — |
| | |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| 04100 | | | | | | | | |
|------------------|--|--|--|--|--------|--|---|--------------------------------------|
| S4123. | (F-18 Jamesp | - | Anderson, | Main Road, | S4145 | . (E-11.) H. L | | |
| | Jamesp | ort. | | | | Larsen Ave., | | |
| | | e of ction | Chloride (ppm) | Temperature (°F) | | three-fourths n tion of Middle | Country R | d., Route 25 |
| | Sept. | 1, 1945 | 26 | , — | | and Smithtown | Rd., Smith | town Branch |
| | July 18 | • | | | | Date of collection | | e Temperature |
| | Aug. 13 | • | | | | | (ppm) 3.6 | (F) |
| | Sept. 2 | • | | | | Sept. 10, 1947 | | |
| | July 10 | | | | S4163 | | | Water Co. |
| | July 1 | 1, 1953 | 30 | | | south side Mai | | ast of South |
| S4124. | (F-17 | .) W | Kohvlenski | Middle Rd., | | Harbor Rd., Son | ithold. | |
| | Calvert | | 11000 101101111, | midale iva., | | Sept. 13, 1949 | 40 | |
| | | | | | | July 11, 1950 | 36 | 53.5 |
| | Aug. 15 | | | | | July 9, 1952 | 134 | |
| | July 16 | • | | | S4194 | (F-17.) Halse | ev Reeve. | Middle Road |
| | Aug. 14 | • | | | | Riverhead. | , | |
| | Aug. 10 |), 1948 | 20 | - | | Aug. 5, 1948 | 26 | |
| S4125 | (F-17 |) M B | Perezny Mil | Rd., River- | | Sept. 16, 1949 | 30 | |
| D1120. | head. | .) 141. 12 | crezity, with | i itu., itivei- | | July 13, 1950 | 25 | 51.4 |
| | ——— | | | | 04105 | | | |
| | Aug. 23 | | | | S4195. | (D-15.) Willi | am H. Gio | ver, Yapnans |
| | July 16 | i, 19 4 6 | 10 | | | Ave., Yaphank. | | |
| | Aug. 14 | ł, 19 4 7 | 10 | | | Aug. 15, 1947 | | |
| | A P | | | | | | | |
| | Aug. | 5, 1948 | 12 | | | July 28, 1948 | 12 | |
| S4134. | | ·· | | ter District, | S4231. | (F-19.) J. I | Ebb Weir, | • |
| S4134. | | .) Rive | | ter District, | S4231. | (F-19.) J. H. Road and Mand | bb Weir, r Lane, J | • |
| | (F-17 Riverhe | .) Rive | erhead Wat | ter District, | | (F-19.) J. H. Road and Mand Sept. 2, 1948 | Ebb Weir, or Lane, J | amesport. |
| | (F-17 | .) Rive | | ter District, | | (F-19.) J. H. Road and Mano Sept. 2, 1948 (E-16.) Maxin | Ebb Weir, or Lane, J | amesport. |
| | (F-17 Riverhe | .) Rive ad. 5, 1947 | erhead Wat | ter District, ———————————————————————————————————— | | (F-19.) J. H. Road and Mano Sept. 2, 1948 (E-16.) Maxim Manorville. | Cbb Weir, r Lane, J 17 n Babinsk | amesport. |
| | (F-17 Riverhed | .) Riverad. 5, 1947 | erhead Wat | | | (F-19.) J. H. Road and Mano Sept. 2, 1948 (E-16.) Maxin | Ebb Weir, or Lane, J | amesport. |
| S4135. | (F-17 Riverhed Aug. 18 (H-21 Marion. | .) Riverad. 5, 1947 .) A. | erhead Waf 8 J. Dzenko | | S4237. | (F-19.) J. H. Road and Mano Sept. 2, 1948 (E-16.) Maxim Manorville. | Cbb Weir, r Lane, J 17 n Babinsk | amesport. — y, Main Rd. — |
| S4135. | (F-17 Riverhed Aug. 18 (H-21 Marion. | .) Riveral Riv | erhead Water 8 J. Dzenko | | S4237. | (F-19.) J. H. Road and Mano Sept. 2, 1948 (E-16.) Maxim Manorville. Sept. 2, 1948 | Cbb Weir, r Lane, J 17 n Babinsk | amesport. — y, Main Rd. — |
| S4135. | (F-17 Riverhed Aug. 18 (H-21 Marion. Sept. 14 Summe | .) Riveral Riv | erhead Waterhead | | S4237. | (F-19.) J. F. Road and Manor Sept. 2, 1948 (E-16.) Maxim Manor Wanner W | Cbb Weir, r Lane, J 17 n Babinsk | amesport. — y, Main Rd. — |
| S4135. | (F-17 Riverhed Aug. 15 (H-21 Marion. Sept. 14 Summed July 18 | .) Riveral Riv | erhead Water 8 J. Dzenko 26 28 24 | | S4237. | (F-19.) J. H. Road and Mano Sept. 2, 1948 (E-16.) Maxim Manorville. Sept. 2, 1948 (G-20.) Stev | Cbb Weir, r Lane, J. 17 n Babinsk 10 e Korolesl | amesport. — y, Main Rd. — |
| S4135. | (F-17 Riverhed Aug. 18 (H-21 Marion. Sept. 14 Summer July 18 Aug. 2 | A, 1948 r, 1949 g, 1949 | 8 J. Dzenko 26 28 24 28 | | S4237. | (F-19.) J. H. Road and Manor Sept. 2, 1948 (E-16.) Maxim Manorville. Sept. 2, 1948 (G-20.) Stev Peconic. Sept. 5, 1945 July 1, 1946 | Cbb Weir, r Lane, J. 17 n Babinsk 10 e Korolesl | amesport. — y, Main Rd. — |
| S4135. | (F-17 Riverhed Aug. 15 (H-21 Marion. Sept. 14 Summer July 18 Aug. 2 Aug. 15 | A, 1948 1949 1949 1949 1949 1949 1949 1949 | 8 J. Dzenko 26 28 24 28 34 | | S4237. | (F-19.) J. H. Road and Manor Sept. 2, 1948 (E-16.) Maxim Manorville. Sept. 2, 1948 (G-20.) Stev Peconic. Sept. 5, 1945 | Cbb Weir, or Lane, J. 17 n Babinsk 10 e Korolesl 30 30 | amesport. — y, Main Rd. — |
| S4135. | (F-17 Riverhed Aug. 18 (H-21 Marion. Sept. 14 Summer July 18 Aug. 2 Aug. 15 Aug. 30 | A, 1948 r, 1949 g, 1949 g, 1949 g, 1949 g, 1949 g, 1949 | 8 J. Dzenko 26 28 24 28 34 36 | | S4237. | (F-19.) J. F. Road and Manor Sept. 2, 1948 (E-16.) Maxim Manorville. Sept. 2, 1948 (G-20.) Stev Peconic. Sept. 5, 1945 July 1, 1946 Aug. 13, 1947 | Cbb Weir, or Lane, J. 17 n Babinsk 10 e Korolesl 30 30 30 | amesport. — y, Main Rd. — |
| S4135. | (F-17 Riverhed Aug. 18 (H-21 Marion. Sept. 14 Summer July 18 Aug. 28 Aug. 18 Aug. 30 Sept. 18 | A, 1948 1949 1949 1949 1949 1949 1949 1949 | 8 J. Dzenko 26 28 24 28 34 36 26 | | S4237. | (F-19.) J. H. Road and Manor Sept. 2, 1948 (E-16.) Maxim Manorville. Sept. 2, 1948 (G-20.) Stev Peconic. Sept. 5, 1945 July 1, 1946 Aug. 13, 1947 Aug. 6, 1948 | Cbb Weir, or Lane, J. 17 n Babinsk 10 e Korolesl 30 30 30 30 | amesport. — y, Main Rd. — |
| S4135. | (F-17 Riverhed Aug. 18 (H-21 Marion. Sept. 14 Summed July 18 Aug. 2 Aug. 15 Aug. 30 Sept. 15 Sept. 20 | A. 1948 A. 1949 B. 1949 | 8 J. Dzenko 26 28 24 28 34 36 26 30 | | S4237. | (F-19.) J. F. Road and Manor Sept. 2, 1948 (E-16.) Maxim Manorville. Sept. 2, 1948 (G-20.) Stev Peconic. Sept. 5, 1945 July 1, 1946 Aug. 13, 1947 Aug. 6, 1948 Sept. 14, 1949 | Cbb Weir, or Lane, J. 17 n Babinsk 10 e Korolesl 30 30 30 30 26 | amesport. y, Main Rd. ki, Main Rd. |
| S4135. | (F-17 Riverhed Aug. 18 (H-21 Marion. Sept. 14 Summer July 18 Aug. 2 Aug. 15 Aug. 30 Sept. 15 Sept. 20 July 7 | A. Riveral Riv | 8 J. Dzenko 26 28 24 28 34 36 26 30 24 | | S4237. | (F-19.) J. F. Road and Manor Sept. 2, 1948 (E-16.) Maxim Manorville. Sept. 2, 1948 (G-20.) Stev Peconic. Sept. 5, 1945 July 1, 1946 Aug. 13, 1947 Aug. 6, 1948 Sept. 14, 1949 July 11, 1950 | 20 Weir, r Lane, J. 17 17 Babinsk 10 E Korolesl 30 30 30 30 26 25 | amesport. y, Main Rd. ki, Main Rd. |
| S4135. | (F-17 Riverhed Aug. 18 (H-21 Marion. Sept. 14 Summer July 18 Aug. 25 Aug. 15 Aug. 30 Sept. 15 Sept. 20 July 7 July 7 | A, 1948 A, 1949 B, 1950 B, 1950 B, 1952 | 8 J. Dzenko 26 28 24 28 34 36 26 30 24 28 | —————————————————————————————————————— | S4237. | (F-19.) J. F. Road and Manor Sept. 2, 1948 (E-16.) Maxim Manorville. Sept. 2, 1948 (G-20.) Stev Peconic. Sept. 5, 1945 July 1, 1946 Aug. 13, 1947 Aug. 6, 1948 Sept. 14, 1949 July 11, 1950 July 9, 1952 July 1, 1953 | 20 Weir, or Lane, J. 17 17 18 Babinsk 10 20 30 30 30 30 30 26 25 36 26 | amesport. |
| S4135. | (F-17 Riverhed Aug. 18 (H-21 Marion. Sept. 14 Summer July 18 Aug. 26 Aug. 15 Aug. 30 Sept. 15 Sept. 20 July 7 July 7 | A, 1948 A, 1949 B, 1950 B, 1950 B, 1952 | 8 J. Dzenko 26 28 24 28 34 36 26 30 24 28 | | S4237. | (F-19.) J. F. Road and Manor Sept. 2, 1948 (E-16.) Maxim Manorville. Sept. 2, 1948 (G-20.) Stev Peconic. Sept. 5, 1945 July 1, 1946 Aug. 13, 1947 Aug. 6, 1948 Sept. 14, 1949 July 11, 1950 July 9, 1952 July 1, 1953 | 20 Weir, 21 Lane, J. 21 17 22 18 Babinsk 20 30 30 30 26 25 36 26 26 26 26 26 26 26 26 26 | amesport. |
| S4135. | (F-17 Riverhed Aug. 18 (H-21 Marion. Sept. 14 Summer July 18 Aug. 25 Aug. 15 Aug. 30 Sept. 15 Sept. 20 July 7 July 7 | A, 1948 A, 1949 B, 1950 B, 1950 B, 1952 | 8 J. Dzenko 26 28 24 28 34 36 26 30 24 28 | —————————————————————————————————————— | S4237. | (F-19.) J. F. Road and Manor Sept. 2, 1948 (E-16.) Maxim Manorville. Sept. 2, 1948 (G-20.) Stev Peconic. Sept. 5, 1945 July 1, 1946 Aug. 13, 1947 Aug. 6, 1948 Sept. 14, 1949 July 11, 1950 July 9, 1952 July 1, 1953 (F-18.) Mitology Control (F-18.) Mitology Control (F-18.) | Cbb Weir, or Lane, J. 17 m Babinsk 10 e Korolesl 30 30 30 30 26 25 36 26 chell Zeim | amesport. |
| S4135. S4143. | (F-17 Riverhed Aug. 18 (H-21 Marion. Sept. 14 Summer July 18 Aug. 26 Aug. 15 Aug. 30 Sept. 15 Sept. 20 July 7 July 7 | A, 1948 A, 1949 B, 1950 B, 195 | 8 J. Dzenko 26 28 24 28 34 36 26 30 24 28 | —————————————————————————————————————— | S4237. | (F-19.) J. H. Road and Manor Sept. 2, 1948 (E-16.) Maxim Manorville. Sept. 2, 1948 (G-20.) Stev Peconic. Sept. 5, 1945 July 1, 1946 Aug. 13, 1947 Aug. 6, 1948 Sept. 14, 1949 July 11, 1950 July 9, 1952 July 1, 1953 (F-18.) Mitc Lane, Jamespor Sept. 8, 1945 | Cbb Weir, or Lane, J. 17 n Babinsk 10 e Korolesl 30 30 30 30 26 25 36 26 chell Zeim t. 30 | amesport. |
| S4135. | (F-17 Riverhed Aug. 15 (H-21 Marion. Sept. 14 Aug. 15 Aug. 15 Aug. 15 Sept. 15 Sept. 20 July 7 July 7 port. | A. Riveral Riv | 8 J. Dzenko 26 28 24 28 34 36 26 30 24 28 weski, Main | —————————————————————————————————————— | S4237. | (F-19.) J. F. Road and Manor Sept. 2, 1948 (E-16.) Maxim Manorville. Sept. 2, 1948 (G-20.) Stev Peconic. Sept. 5, 1945 July 1, 1946 Aug. 13, 1947 Aug. 6, 1948 Sept. 14, 1949 July 11, 1950 July 9, 1952 July 1, 1953 (F-18.) Mitology Control (F-18.) Mitology Control (F-18.) | Cbb Weir, or Lane, J. 17 m Babinsk 10 e Korolesl 30 30 30 30 26 25 36 26 chell Zeim | |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| S4352. (F-19.) Edward Buchak, Buchak | S4484. (G-21.) M. J. Shipuleski, Southold. |
|---|--|
| Farm, between Middle Country Road and North Ave., Laurel. | Date of Chloride Temperature collection (ppm) (°F) |
| Date of Chloride Temperature | Sept. 14, 1948 35 — |
| collection (ppm) (°F) | July 7, 1949 30 — |
| Sept. 3, 1948 28 — | Sept. 14, 1949 24 — |
| S4372. (F-13.) South Bay Consolidated | July 11, 1950 29 51.2 |
| Water Co., north side of Route 25A, | July 7, 1952 30 — |
| Port Jefferson. | S4501. (F-14.) Culross Corp., Rocky Point. |
| Sept. 10, 1947 5.0 — | May 16, 1950 60 — |
| S4413. (G-19.) Paul Klaski, Alvah Lane, Cutchogue. | S4511. (F-18.) Vernon F. Wells, Sound Ave., Riverhead. |
| Sept. 4, 1945 30 — | July 29, 1948 21 — |
| July 17, 1946 20 — | |
| Aug. 13, 1947 20 — | S4512. (F-18.) Charles Cichanowicz, Sound |
| Aug. 6, 1948 21 — | Ave. and Herrick Lane, Jamesport. |
| Aug. 24, 1949 28 — | Sept. 7, 1948 30 — |
| S4415. (F-16.) Mike Czygier, Main Road, Calverton. | S4513. (F-18.) John Cichanowicz, North- ville Tpke. and Doctor's path, River- |
| Aug. 11, 1948 21 — | head. |
| S4416. (F-16) Walter Waskeicz, Route 25 | Aug. 5, 1948 20 — |
| and Hulse Landing Rd., Wading River. | S4514. (F-17.) L. Y. Robinson, Sound Ave., |
| Aug. 15, 1947 10 — | Riverhead. |
| Aug. 30, 1948 12 — | Aug. 31, 1948 17 — |
| S4417. (F-17.) W. R. Linner, Osbourne | |
| Ave., Riverhead. | S4537. (E-18.) Mike Stokojlo, Lewis Road, East Quogue. |
| Aug. 5, 1948 18 — | |
| S4421. (F-16.) Irving Hulse, ½ mile west | Aug. 15, 1947 15 — |
| Fresh Pond Rd., ½ mile east Hulse | Sept. 1, 1948 12 — |
| Ave., Baiting Hollow. | S4543. (F-17.) Joseph Karpinski, north of |
| Aug. 30, 1948 18 — | Sound Ave., west of Osbourne Ave., |
| S4422. (F-16.) Fred Lewin, Sound Ave., | Baiting Hollow. |
| Baiting Hollow. | Aug. 31, 1948 25 — |
| Aug. 30, 1948 25 — | S4544. (F-16.) Anton Wanat, north of |
| S4473. (F-18.) Peter J. Kujawski, Sound | Sound Ave., Baiting Hollow. |
| Ave., Jamesport. | Aug. 30, 1948 34 — |
| Sept. 2, 1948 30 — | S4547. (F-19.) John Shuot, Herrick Lane, |
| S4474. (G-20.) John Pietrewicz, Main Rd., | Jamesport. |
| Cutchogue. | Sept. 12, 1948 28 — |
| Sept. 9, 1948 30 — | _ |
| July 7, 1949 28 — | S4551. (F-17.) Halsey Reeve, Roanoke Ave., Riverhead. |
| July 18, 1949 27 — Aug. 2, 1949 24 — | Aug. 5, 1948 12 — |
| Aug. 2, 1949 24 — Aug. 15, 1949 24 — | Sept. 16, 1949 28 — |
| July 11, 1950 29 52.9 | July 13, 1950 8 52.5 |
| July 11, 1000 20 92.3 | - Unity 10, 1000 0 02.0 |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| S4565. (G-20.) Mike Muznic, Cutchogue. | S4725. (G-19.) Alex Domaleski, North Rd., |
|---|--|
| Date of Chloride Temperature collection (ppm) (°F) | Mattituck. |
| Sept. 10, 1948 25 — | Date of Chloride Temperature collection (ppm) (°F) |
| July 14, 1950 19 — | Sept. 8, 1948 22 — |
| S4566. (F-19.) Joseph Sieminski, James- | July 18, 1949 24 — |
| port. | Aug. 2, 1949 26 — |
| Sept. 2, 1948 25 — | July 14, 1950 23 — |
| July 12, 1949 26 — | July 17, 1952 24 — July 1, 1953 25 — |
| July 18, 1949 27 — | |
| Aug. 2, 1949 30 — | S4761. (B-12.) Seaview Utilities, Inc., Fire |
| July 12, 1950 25 52.6 | Island. |
| July 10, 1952 24 — | May 16, 1950 9.6 — |
| S4576. (F-19.) William Chudiak, Bergen Ave., Mattituck. | S4795. (F-18.) M. Zeimacki, Jamesport. |
| Sept. 8, 1948 32 — | Aug. 30, 1948 25 — |
| Aug. 29, 1949 32 — | S4825. (E-16.) John F. Danielowich, Chichester Ave., Manorville. |
| S4580. (G-20.) Mrs. M. Doroski, Main Rd., | Oct. 4, 1948 18 — |
| Cutchogue. | S4831. (C-10.) New York Water Service |
| Sept. 10, 1948 45 — S4585. (F-19.) Joseph Cain, Laurel. | Corp., south group of wells at Smith St. pumping station, Babylon. |
| Sept. 3, 1948 24 — | |
| | |
| S4617. (F-18.) Max Sawicki, West Lane, Aquebogue. | S4944. (F-16.) Joseph Ruskowski, north of Fresh Pond Rd., Calverton. |
| Aug. 13, 1948 28 — | Aug. 12, 1948 19 — |
| S4618. (G-20.) Leander Glover, Main Rd. at Cox Lane, Cutchogue. | S5012. (F-18.) Walter Smith, Peconic Bay Blvd., Riverhead. |
| Sept. 10, 1948 36 — | Aug. 14, 1947 65 — |
| S4620. (F-18.) Stanley Cichanowiez, Sound | Aug. 19, 1948 16 — |
| Ave., Riverhead. | Sept. 19, 1949 12 — |
| Aug. 5, 1948 24 — | S5068. (E-9.) Greenlawn Water District, |
| S4621. (D-14.) Suffolk County Home, Yap- | east side of Stony Hollow Rd. about |
| hank. | .4 mile south of Route 25A, Green- |
| Nov. 1, 1949 6 — | lawn. |
| S4666. (E-15.) Fred Hutton, South St. and | Sept. 3, 1947 5.8 — |
| Dayton Ave., South Manorville. | S5115. (F-17.) John Twomey, east of Twomey Ave., Calverton. |
| Aug. 15, 1947 25 — | |
| July 28, 1948 24 — | Aug. 10, 1948 21 — |
| S4676. (F-18.) J. T. Luce, Sound Ave. and | S5189. (G-20.) Leander Glover, Cox Lane |
| Church Lane, Jamesport. | and Middle Road, Cutchogue. |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Concluded).

| S5208. (G-20.) John Bauer, Peconic. | S5615. (F-22.) A. Tiska, Millstone Road |
|---|--|
| Date of Chloride Temperature collection (ppm) (°F) | Bridgehampton. |
| Sept. 10, 1948 20 — | Date of Chloride Temperature collection (ppm) (°F) |
| S5234. (E-15.) Brookhaven National Lab- | July 7, 1949 27 — |
| oratory, Well No. 4, Brookhaven. | S5625. (F-18.) John F. Kruszeski, Main Rd. |
| May 27, 1948 4.4 — | Aquebogue. |
| Oct. 15, 1948 4.2 — Dec. 21, 1948 4.8 — | Aug. 13, 1948 28 — |
| S5317. (F-17.) Walter Kobylenski, Middle Rd and Deep Hole Rd., Riverhead. | S5665. (F-19.) John F. McNulty, Laure Lane, Laurel. |
| Aug. 10, 1948 14 — | July 9, 1948 26 — |
| S5341. (F-17.) Long Island Vegetable Re- | Sept. 14, 1949 34 — |
| search Farm, Sound Ave., Riverhead. | July 12, 1950 24 54.2 |
| April 13, 1948 20 — | July 7, 1952 24 — |
| June 17, 1948 19 — | July 1, 1953 22 — |
| April 4, 1949 23 — Dec. 14, 1949 24 — | S5707. (F-17.) John Balnis, Reeves Ave. Riverhead. |
| S5344. (F-17.) J. P. McCabe, Middle Road, | Aug. 13, 1948 29 — |
| Riverhead. | S5708. (F-16.) William Tyska, Main Road |
| Aug. 13, 1948 30 — | Calverton. |
| S5362. (E-15.) New York State Game Farm, Route 25, Middle Island. | Aug. 13, 1948 25 — |
| May 27, 1948 5.1 — July 29, 1949 6.8 — | S6028. (F-18.) Henry Hallock, Pier Ave. Riverhead. |
| S5366. (F-17.) A. F. Nienstadt, Roanoke | July 29, 1948 22 — |
| Ave., Riverhead. | July 12, 1949 25 — |
| Aug. 9, 1948 28 — | Aug. 2, 1949 24 — Aug. 15, 1949 28 — |
| S5475S5476. (F-20.) W. Vanston, Nassau | Aug. 15, 1949 28 — Aug. 30, 1949 26 — |
| Point. | July 13, 1950 21 — |
| Sept. 13, 1948 37 — July 11, 1950 103 — | S6029. (F-17.) John Greseck, Twomey Ave. Calverton. |
| S5503. (F-19.) F. J. Zaweski, Jamesport. | Aug. 12, 1948 23 — |
| Sept. 8, 1948 34 — | S6038. (G-20.) Edward Zuhoski, Cox Lane |
| S5518. (E-15.) Brookhaven National Lab- | Cutchogue. |
| oratory, Well No. 7, Brookhaven. | Sept. 9, 1948 20 — |
| May 13, 1948 4.9 — Oct. 15, 1948 5.0 — | S6059. (G-20.) Anton J. Kull, south of In dian Neck Lane, Peconic. |
| Aug. 3, 1949 4.5 — | Sept. 10, 1948 493 — |
| S5602. (G-19.) Walter Bialeski, North Rd., | Sept. 15, 1949 48 — |
| Cutchogue. | July 7, 1952 900 — |
| Sept. 8, 1948 26 — | June 30, 1953 1600 — |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| S6119. (G-19.) William Wickham, Main Cutchogue. | Rd., S6406. | (E-15.) Broo oratory, Test W | | |
|---|----------------|---|-------------------|------------------|
| Date of Chloride Temper collection (ppm) (° | | Date of collection | Chloride (ppm) | Temperature (°F) |
| Sept. 16, 1948 26 — | | Oct. 14, 1949 | 4.1 | |
| Sept. 13, 1949 28 — | _ | Feb. 2, 1951 | 8 | |
| July 11, 1950 24 5 | 2.0 | Dec. 10, 1952 | 5 | |
| July 7, 1952 24 – | - S6407 | . (E-15.) Broo | okhaven N | ational Lab- |
| July 1, 1953 25 – | | oratory, Test W | ell, Brookh | aven. |
| S6148. (G-20.) P. Orlowski, Sterlings | Lane, | Dec. 17, 1948 | 7 | |
| Cutchogue. | | Sept. 14, 1951 | 4 | |
| Sept. 9, 1948 24 - | | Mar. 10, 1953 | 5 | |
| Aug. 25, 1949 28 – | - 56400 | . (E-15.) Broo | okhaven N | ational Lab- |
| S6149. (G-20.) J. Pietrewicz, Cox | | oratory, Deep o | bservation | well No. 1, |
| Cutchogue. | | Brookhaven. | | · |
| Sept. 8, 1948 33 – | | Nov. 8, 1948 | 4.1 | |
| Summer 1949 32 – | | . (E-15.) Broo | | otional Lab |
| July 18, 1949 28 – | _ 50420 | oratory, Test W | | |
| Aug. 2, 1949 32 – | | | | laven. |
| Aug. 15, 1949 32 – | | Nov. 15, 1949 | 4.8 | |
| Aug. 25, 1949 36 – | _ | Aug. 24, 1951 | 5 | |
| Aug. 30, 1949 24 – | _ | Sept. 25, 1952 | 4 | |
| Sept. 20, 1949 32 — | S6426 | . (E-15.) Broo | okhaven N | ational Lab- |
| • , | 1.5 | oratory, Test W | ell, Brookh | aven. |
| July 7, 1952 32 – | - | Nov. 13, 1950 | 7 | |
| S6150. (F-19.) S. Slediaski, Breakwate | r Rd., | May 16, 1952 | 6 | |
| Mattituck. | | Nov. 28, 1952 | 5 | |
| Sept. 7, 1948 20 – | S6432 | . (E-15.) Bro | okhaven N | ational Lab- |
| S6190. (G-19.) D. Cooper, Bergen | | oratory, Test W | | |
| Mattituck. | | Dec. 17, 1948 | 4.4 | |
| Sept. 7, 1948 27 – | | $\frac{\text{E-15.})}{\text{Brown}}$ | | ational Lab |
| S6192. (G-19.) T. Bonkoski, Alvah's | 50434 Lane, | oratory, Deep W | | |
| Cutchogue. | • | | | <u> </u> |
| Sept. 9, 1948 25 - | | June 2, 1949 | 5.6 | ational Tab |
| S6193. (G-20.) S. Doroski, North | Road, S6456 | oratory, Test V | | |
| Southold. | | - · · · · · · · · · · · · · · · · · · · | 7.1 | maven. |
| Sept. 13, 1948 25 – | - | Sept. 13, 1949 | | |
| Aug. 2, 1949 30 - | _ S6471 | . (E-15.) Bro | | |
| Aug. 24, 1949 30 – | | oratory, Test W | | naven. |
| July 12, 1950 30 – | | July 29, 1949 | 3.8 | |
| S6405. (E-15.) Brookhaven National | Lab- S6697 | . (E-15.) Bro | okhaven N | ational Lab- |
| oratory, Test Well, Brookhaven. | | oratory, Well N | lo. 3B, Bro | okhaven. |
| Oct. 18, 1948 5.9 - | | Nov. 13, 1950 | 7 | |
| Feb. 2, 1951 7 - | | Jan. 18, 1952 | 6 | — |
| Mar. 3, 1953 10 - | | Nov. 28, 1952 | 5 | |
| | | | | |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| S6779. (G-19.) Martin Sidor, Middle Road, Mattituck. | Date of Chloride Temperature collection (ppm) (°F) |
|---|--|
| Date of Chloride Temperature | July 5, 1949 55 — |
| collection (ppm) (°F) | July 18, 1949 56 — |
| Sept. 8, 1948 30 — | Aug. 1, 1949 60 — |
| Sept. 14, 1949 38 — | Aug. 15, 1949 60 — |
| July 12, 1950 26 — | J uly 6, 1950 50 51.5 |
| July 7, 1952 28 — | July 7, 1952 78 — |
| July 1, 1953 25 — | S7171-S7172. (H-22.) E. Kenneth Tabor. |
| S6780. (F-19.) John Miosa, north of Cox | Main Rd., east of Platte Lane, Orient |
| Neck Lane, Mattituck. | Sept. 24, 1948 40 — |
| Sept. 7, 1948 24 — | Sept. 30, 1948 43 — |
| July 18, 1949 24 — | July 18, 1949 44 — |
| Aug. 2, 1949 25 — | July 6, 1950 40 — |
| Aug. 30, 1949 22 — | July 9, 1952 36 — |
| Sept. 6, 1949 25 — | C7179 (II 99) Cooms W II-llock Di-Ma |
| July 12, 1950 20 52.3 | S7173. (H-22.) George W. Hallock, Platte |
| July 7, 1952 24 — | Lane, Orient. |
| June 30, 1953 23 — | Sept. 24, 1948 15 — |
| S6901. (F-18.) Joseph Gatz, 1 mile south | Sept. 14, 1949 16 — |
| of Sound Ave., Riverhead. | July 6, 1950 12 — |
| July 29, 1948 12 — | S7174. (H-22.) G. Hallock, east of Orchard St., south of Route 25, Orient. |
| S7117. (E-21.) W. A. Stachecki, north of | |
| Route 27, Southampton. | Sept. 14, 1949 24 — |
| July 6, 1949 22 — | July 6, 1950 18 — |
| S7123. (G-20.) Gagen Brothers, east side Young's Ave., Southold. | S7175. (H-22.) William Haberman, Main Road, Orient. |
| | Sept. 30, 1948 48 — |
| July 7, 1950 65 52.9 | Sept. 14, 1949 60 — |
| S7168. (H-22.) Edward King, Route 25, Orient. | July 6, 1950 41 51.8 |
| | S7176. (H-22.) H. S. Duval, Orient Point. |
| Sept. 14, 1948 37 — | Sept. 30, 1948 1000 — |
| Sept. 23, 1948 41 — | July 5, 1949 465 — |
| Oct. 12, 1948 42 — | July 18, 1949 500 — |
| Sept. 18, 1949 36 — | Aug. 1, 1949 552 — |
| July 6, 1950 36 51.9 | Aug. 15, 1949 630 — |
| S7169. (H-22.) R. W. Gillispie, Route 25, | Aug. 30, 1949 540 — |
| | G |
| ½ mile east of Platte Lane, Orient. | Sept. 15, 1949 350 — |
| | |
| ½ mile east of Platte Lane, Orient. Sept. 23, 1948 62 Sept. 15, 1949 56 | |
| ½ mile east of Platte Lane, Orient. Sept. 23, 1948 62 — Sept. 15, 1949 56 — S7170. (H-22.) Stanley Koroleski, Main Rd., | S7179. (H-22.) E. Kenneth Tabor, Orchard St., Orient. |
| ½ mile east of Platte Lane, Orient. Sept. 23, 1948 62 Sept. 15, 1949 56 | S7179. (H-22.) E. Kenneth Tabor, Orchard St., Orient. Sept. 30, 1948 66 — |
| ½ mile east of Platte Lane, Orient. Sept. 23, 1948 62 — Sept. 15, 1949 56 — S7170. (H-22.) Stanley Koroleski, Main Rd., Orient Point. | S7179. (H-22.) E. Kenneth Tabor, Orchard St., Orient. Sept. 30, 1948 66 — |
| ½ mile east of Platte Lane, Orient. Sept. 23, 1948 62 — Sept. 15, 1949 56 — S7170. (H-22.) Stanley Koroleski, Main Rd., | S7179. (H-22.) E. Kenneth Tabor, Orchard St., Orient. Sept. 30, 1948 66 — July 8, 1949 40 — |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| S7180. (H-22.) D. M. Robertson, Main Rd., Orient. | S7905. (G-20.) K. Tuthill, between Railroad Ave. and Boiseau Ave., Southold. |
|---|--|
| Date of Chloride Temperature collection (ppm) (°F) | Date of Chloride Temperature collection (ppm) (°F) |
| Sept. 30, 1948 48 — | July 7, 1950 35 52.7 |
| Sept. 14, 1949 48 — | July 7, 1952 34 — |
| July 6, 1950 46 — | June 30, 1953 28 — |
| July 7, 1952 48 — | S8139. (D-17.) M. Rogers, Remsenberg Rd., Route 27, Speonk. |
| S7267. (G-20.) Southold Township (Town Dump Well), Oregon Rd., Cutchogue. | July 6, 1949 13 — |
| Sept. 9, 1948 20 — | S8778. (H-22.) Latham Brothers, south of |
| S7269. (F-18.) J. P. Celic Duck Farm, | Route 25, Orient. |
| Peconic Bay Blvd., South Jamesport. | July 6, 1950 24 — |
| Aug. 21, 1948 29 — Sept. 16, 1949 30 — | S9138. (G-20.) E. E. Boisseau, Boisseau Ave., Southold. |
| July 12, 1950 29 — | Dec. 14, 1949 42 — |
| S7293. (E-21.) W. A. Stachecki, Flying Point Rd., south of Route 27, Southampton. | S9139. (H-21.) E. Wiggins, North Rd., ½ mile west of East Marion. |
| July 6, 1949 28 — | Dec. 14, 1949 18 — |
| S7334. (G-19.) Deforrest Horton, Alvah's Lane, Cutchogue. | S9140. (F-23.) Ferris Talmadge, Long Lane, Easthampton. |
| Summer 1949 70 — | Dec. 14, 1949 30 — |
| S7499. (F-21.) R. Wesnofske, Cook Lane, Bridgehampton. | S9141. (D-15.) Mastic Acres Realty Co., (Sales Office), Shirley. |
| July 7, 1949 26 — | Feb. 13, 1950 5.9 — |
| | Mar. 21, 1952 8 — |
| S7569. (E-19.) Hampton Bays Water Co., Well No. 4, Ponguoque Ave., Hampton | Jan. 15, 1953 4 — |
| Bays. | S9142. (D-15.) Mastic Esso Service Station, (Frank Stiefel), Mastic. |
| Aug. 4, 1950 25 — | Feb. 13, 1950 6.9 — |
| S7570. (F-23.) Home Water Co., Oak View | Feb. 5, 1951 8 — |
| Highway, East Hampton. | April 11, 1952 5 — |
| July 7, 1949 9 — | Feb. 2, 1953 6 — |
| S7665. (F-18.) Felix Zaweski, Jamesport. | S9143. (D-15.) Frank Beeker, Weeks Ave., |
| | Center Moriches. |
| Summer 1949 28 — | Mar. 3, 1950 5.2 — |
| S7741. (E-21.) Rosko Farms, No. 2, Halsey's | Dec. 3, 1951 4 — |
| Neck Lane, Southampton. | Feb. 9, 1953 3 — |
| July 6, 1949 28 — | S9144. (D-16.) Brookhaven Town Police Substation, Route 27, Center Moriches. |
| S7870. (H-22.) Latham Brothers, south of | Feb. 13, 1951 50 — |
| Route 25, Orient. | July 27, 1951 32 — |
| July 6, 1950 48 51.5 | Feb. 16, 1953 18 — |
| | |

Table 2.—Chloride concentrations and temperatures of water from wells in Suffolk County, N. Y., 1928-53—(Continued).

| S14597. | (H-22.) Mrs. | Alice Bur | den, Orient. | D-15. | (H-22 | 2.) Latham | Bros., sou | ith of North |
|---------|--------------------|-----------|--------------|-------|-------|-------------------|----------------|--------------|
| | Date of collection | | Temperature | | Road, | Orient. | | |
| 50 | ept. 20, 1949 | (ppm) | (°F) | | | ate of lection | Chloride (ppm) | Temperature |
| | ÷ ′ | 835 | | | | | (ppin) | (F) |
| Ju | ıly 6, 1950 | 296 | | | July | 6, 1950 | 24 | _ |

| Road, | Orient. | | |
|---------|-----------------|-------------------|---------------------|
| | te of ection | Chloride (ppm) | Temperature (°F) |
| July | 6, 1950 | 24 | _ |
| (E-15.) | LeKay, | Ridge Rd. | ., Ridge. |
| Nov. 2 | 1, 1952 | 4 | |

Table 3.—Chloride concentrations of water from irrigation ponds in Suffolk County, N. Y., 1948-53.

| P-1. | (Fig. 2) Perry Dougla Road, Orient. | s, south of North | | Date of collection | Chloride (ppm) |
|--------------|--|-------------------|-------|------------------------|--------------------|
| | Date of | Chloride | | Aug. 1, 1949 | 124 |
| | collection | (ppm) | | Aug. 15, 1949 | 94 |
| | Sept. 24, 1948 | 18 | | Aug. 30, 1949 | 120 |
| | July 8, 1949 | 32 | | Sept. 15, 1949 | 65 |
| | July 18, 1949 | 28 | | July 6, 1950 | 31 |
| | | 32 | | July 7, 1952 | 56 |
| | Aug. 2, 1949 Aug. 15, 1949 | 32 32 | | June 26, 1953 | 32 |
| | Aug. 30, 1949 | 30 | D.C | (Fig. 2) H. S. Duva | 1 gouth of North |
| | Sept. 15, 1949 | 24 | P-6. | . • | ii, South of North |
| | July 6, 1950 | 20 | | Road, Orient. | |
| | • | 24 | | Sept. 30, 1948 | 5810 |
| | July 7, 1952 | | | July 5, 1949 | 205 |
| P-2. | (Fig. 2) H. M. Dem | narest and Sons, | | July 18, 1949 | 250 |
| | north of North Rd., | Orient. | | Aug. 1, 1949 | 317 |
| | Sept. 24, 1948 | 78 | | Aug. 15, 1949 | 320 |
| | Sept. 30, 1948 | 68 | | Aug. 30, 1949 | 340 |
| | Oct. 21, 1948 | 76 | | Sept. 15, 1949 | 268 |
| | Sept. 14, 1949 | 70 72 | | July 6, 1950 | 164 |
| | - | 91 | | July 7, 1952 | 106 |
| | July 6, 1950 July 7, 1952 | 62 | | June 26, 1953 | 60 |
| | June 26, 1953 | 54 | P-7. | (Fig. 2) E. King, so | uth of Main Road |
| 2-3. | (Fig. 2) Irving Lathar | n, north of North | | East Marion. | |
| | Road, Orient. | , | | Sept. 24, 1948 | 40 |
| | | 14 | | July 7, 1950 | 20 |
| | Sept. 24, 1948 | 16 | | July 7, 1952 | 32 |
| | Sept. 14, 1949 | | | | |
| | July 6, 1950 | 20 | P-9. | | south of Main Rd. |
| | July 7, 1952 | 12 | | Orient. | |
| | June 26, 1953 | 11 | | July 6, 1950 | 61 |
| P-4 . | (Fig. 2) Irving Lathan | n, south of North | | July 7, 1952 | $\boldsymbol{202}$ |
| | Road, Orient. | | | June 26, 1953 | 44 |
| | Sept. 24, 1948 | 98 | P-10. | (Fig. 2) J. Cassidy, s | south of Main Rd. |
| | Sept. 30, 1948 | 96 | | W. Greenport. | |
| | Oct. 11, 1948 | 100 | | | 37 |
| | July 5, 1949 | 40 | | July 11, 1950 | 34 |
| | July 18, 1949 | 28 | | July 10, 1952 | |
| | Aug. 1, 1949 | 30 | | June 30, 1953 | 48 |
| | July 6, 1950 | 93 | P-11. | (Fig. 2) J. Cassidy, s | south of Main Rd. |
| | July 7, 1952 | 48 | | W. Greenport. | |
| | June 26, 1953 | 47 | | July 11, 1950 | 112 |
| P-5. | (Fig. 2) H. S. Duva | I south of North | | July 10, 1952 | 54 |
| | Road, Orient. | ., | | June 30, 1953 | 49 |
| | Sept. 30, 1948 | 56 | | | |
| | July 5, 1949 | 64 | | | |
| | July 18, 1949 | 4 8 | | | |

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- *GW- 1. WITHDRAWAL OF GROUND WATER ON LONG ISLAND, N. Y.; D. G. Thompson and R. M. Leggette. 1936.
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- An asterisk (*) indicates that the report is out of print, but such reports are available for consultation in certain libraries.